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GRIFFITH & TURNER CO.

BALTIMORE, MD.

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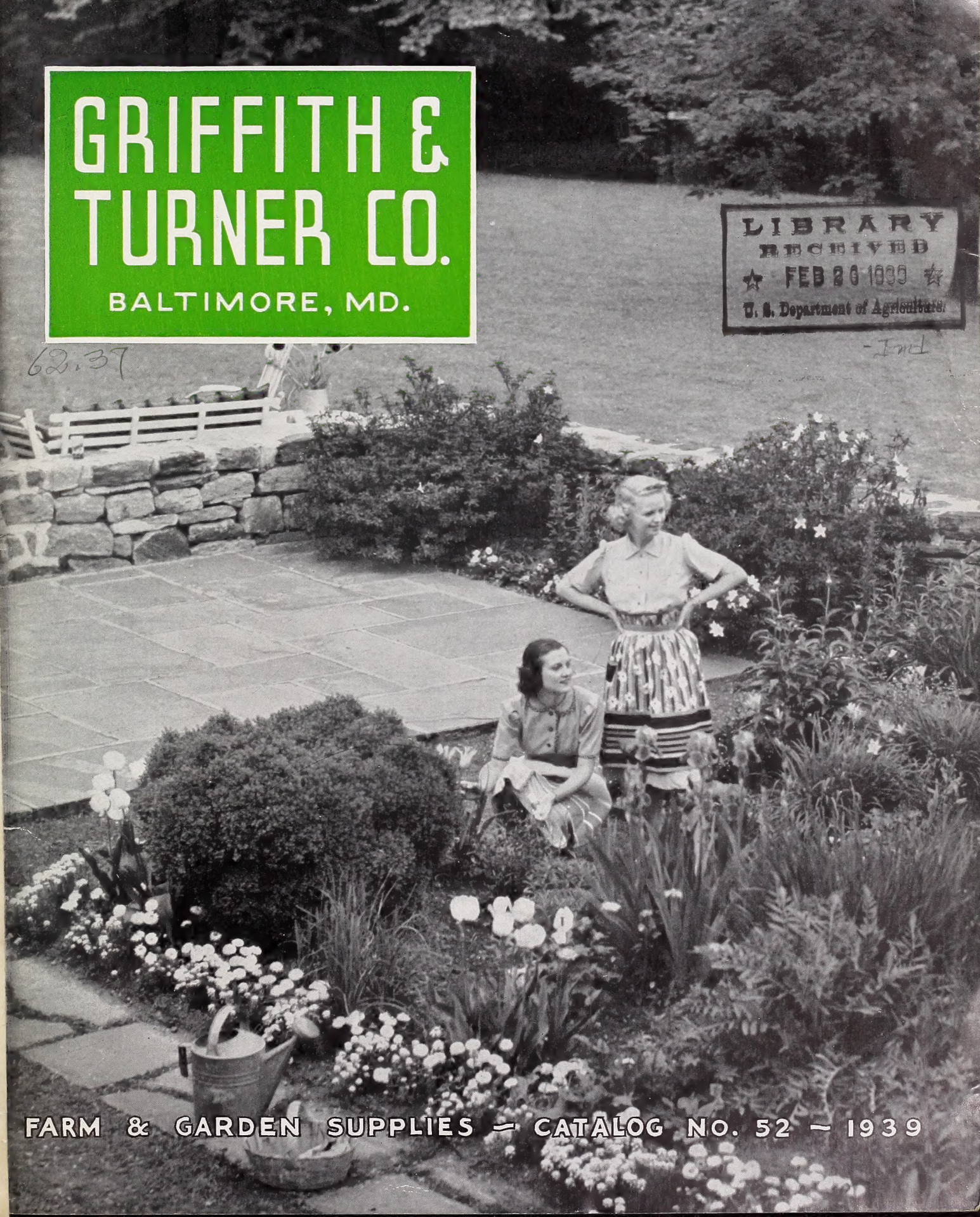


FARM & GARDEN SUPPLIES — CATALOG NO. 52 — 1939

G. & T. Co.'s Lawn Mixtures

How to Make and Maintain a Beautiful Lawn

Early spring, late summer and early fall are most favorable for making or renovating a lawn. Dig the soil to a depth of 6 inches, and pulverize thoroughly. Apply G. & T. Co.'s Grass Fertilizer at the rate of 100 pounds per 2,000 square feet, and rake in well. Sow one of our Special Lawn Formulas at the rate of 1 pound for every 200 square feet, and then rake very lightly after which roll. Under favorable conditions the grass should germinate in about 10 to 15 days. Do not sprinkle a new lawn with water for the first three weeks, unless the seeding is followed by very hot, dry weather, but after this time it should be watered as required. Under normal conditions, one application of our G. & T. Co.'s Grass Fertilizer each year, using half the quantity suggested above, will keep your grass in a healthy condition.

CONTROL CRAB GRASS AND JAPANESE BEETLE

by the use of Arsenate of Lead. 1 lb. of Arsenate of Lead mixed with 25 lbs. of sand is sufficient to treat 100 sq. ft.

G. & T. CO.'S IMPERIAL TURF MIXTURE. This superb grass seed is correctly proportioned to give that Old English effect, and is noted for its complete adaptability to variations in soil, climate, and other conditions. Weighs over 25 pounds to the measured bushel, which is an exceptional weight for lawn seed, and heavy seed means pure seed of highest quality, free from weeds and chaff. Lb. 50 cts.; 3 lbs. $1.45; 5 lbs. $2.35; 10 lbs. $4.50; 25 lbs. $10.50; 100 lbs. $40.

G. & T. CO.'S EVERGREEN LAWN GRASS. We recommend this for large areas. It is composed of fine recleaned grasses and White Dutch Clover of the highest purity and vitality, carefully proportioned to give a green lawn throughout the summer. Weighs 22 pounds to the measured bushel. Lb. 35 cts.; 3 lbs. $1; 5 lbs. $1.65; 10 lbs. $3.10; 25 lbs. $7.50; 100 lbs. $28.

G. & T. CO.'S BENT FORMULA. Composed of varieties which will make a permanent, luxuriant turf, finer in texture than a lawn of the ordinary type. Containing a liberal proportion of Bent Grass, it is deep, rich green in color and produces the effect of a soft rug, enduring from early spring until covered by snow. Weighs 28 pounds to the measured bushel. Lb. 65 cts.; 3 lbs. $1.90; 5 lbs. $3; 10 lbs. $5.70; 25 lbs. $13.75; 100 lbs. $53.

G. & T. CO.'S SHADY NOOK GRASS. A mixture of the shade-tolerant grasses, properly blended, that will do well under trees and other shady nooks in the garden. Sow seed at the rate of one pound to every 200 square feet, and apply lime, 50 pounds to every 1,000 square feet. In very stubborn cases it may be necessary to renovate for several years to obtain a rich green sward. If so, add lime each fall, as directed above, and sow seed at the rate of one pound to every 300 square feet. Lb. 50 cts.; 3 lbs. $1.45; 5 lbs. $2.35; 10 lbs. $4.50; 25 lbs. $10.50; 100 lbs. $40.

G. & T. CO.'S TERRACE SOD MIXTURE. A mixture of grasses that will produce strong, spreading roots, withstanding drought and sun, and thriving on shallow soils. If slope is very severe, sow along with each pound of seed 1 quart of oats for every 100 square feet of lawn, to help prevent washing by heavy rains. Lb. 50 cts.; 3 lbs. $1.45; 5 lbs. $2.35; 10 lbs. $4.50; 25 lbs. $10.50; 100 lbs. $40.

G. & T. CO.'S SEASHORE LAWN GRASS. A mixture of grasses that are especially suitable for lawns at the seashore. In preparing the soil, work in a liberal amount of sheep manure and top-dress with about 4 inches of good top-soil, as grasses will not grow well in pure sand. Lb. 50 cts.; 3 lbs. $1.45; 5 lbs. $2.35; 10 lbs. $4.50; 25 lbs. $10.50; 100 lbs. $40.

PARK LAWN GRASS (Low-priced Mixture). This is a commercial mixture of good-quality grass seed frequently sold at a higher price. We recommend it only where a fine and durable lawn is not required. Lb. 25 cts.; 100 lbs. $19.

WHITE DUTCH CLOVER. ¼ lb. 20 cts.; ½ lb. 35 cts.; lb. 60 cts. 3 lbs. $1.60; 5 lbs. $2.45.

Separate varieties of Grasses described on page 40

Keep your lawn growing luxuriantly by applying, each spring and fall

G. & T. Co.'s GRASS FERTILIZER

5 lbs	$0.35	25 lbs	$1.25
10 lbs	.60	50 lbs	2.00
100 lbs	$3.50		

1939 CATALOG No. 52

GRIFFITH & TURNER CO.

Seedsmen of Integrity Since 1860

205-215 NORTH PACA ST. • BALTIMORE, MD.

TELEPHONE: CALVERT 2300

General Information

FILLING ORDERS

More than 90 per cent of all orders received are shipped within twenty-four hours. Orders for Seeds, Plants, Bulbs, etc., placed in January or February, will be shipped promptly when you want the goods, or when the season for planting arrives, if you prefer.

PACKING AND SHIPPING

We make no charge for boxes and packing on retail orders, with this single exception: a charge of 30 cents each is made for 2-bushel seamless cotton bags. These bags are returnable to us for credit in the same amount.

HOW TO REMIT

Remittance should be made by Draft, Express Money Order, Post-Office Money Order, or Registered Letter.

DELIVERY

We deliver by prepaid Parcel Post to any post office in the United States, all retail orders for flower and garden seed, unless otherwise noted in the Catalog.

WE WELCOME CHARGE ACCOUNTS

So that no time will be lost on your first order, please send the names of two or more business houses with whom you have credit relations at present. Our references, Dun & Bradstreet Mercantile Agency.

PRICES TO MARKET GARDENERS

Market gardeners and all purchasers of seeds in large quantities should submit their list of seeds to us. We will quote special quantity prices promptly.

IMPORTANT ABOUT PRICES

Should the Federal Government or any State increase by taxes, or otherwise, the cost or selling price of any merchandise listed in this Catalog, we reserve the right to add such taxes or other increases of cost to the prices in this book. All prices are subject to change without notice.

Weight of Agricultural Seed per Bushel, Quantity, Time, and Depth of Sowing

KINDS OF SEED	Lbs. Per Std. Bu.	Rate to Sow lbs. per Acre	TIME TO SOW	Depth to Sow Inches
Alfalfa—Broadcast	60	18 to 22	Spring & ea. Fall	½ to 1
Alfalfa—Drilled	60	12 to 15	Spring & ea. Fall	½ to 1
Barley, spring	48	120 to 150	March, April	1 to 1½
Barley, winter	48	120 to 150	Aug. to Oct	1 to 1½
Bermuda Grass	40	4 to 6	March to May	½
Blue Grass, Ky., for lawns	14	125	Ea. Spring, Ea. Sept.	½
Blue Grass, Ky., for pasture	14	20 to 30	Ea. Spring, Ea. Sept.	½
Brome Grass	14	20	Spring	1½ to 2
Broom Corn	48	5 to 8	April, May	1 to 1½
Buckwheat	52	50 to 60	Late Spring	1 to 1½
Clover, Alsike	60	4 to 5	Winter to April	½ to 1
Clover, Crimson	60	12 to 15	July to Oct	½ to 1
Clover, Mammoth Sapling	60	6 to 10	Winter, early April	½ to 1
Clover, Red	60	6 to 10	Winter, early April	½ to 1
Clover, Sweet, white or yellow	60	12 to 15	Ea. spg., Aug., Sept.	½ to 1
Clover, White Dutch	60	6 to 8	March to April	½ to 1
Crotalaria	40	12 to 15	April, May, June	¾
Dallas Grass	10	8 to 10	March, April, May	½
Fescue, Meadow	24	20 to 30	Ea. spg., Aug., Sept.	½
Fescue, other varieties	14	28 to 35	Ea. spg., Aug., Sept.	½
Lespedeza—Common	25	25–30	Ea. spg. after frost	1 to 2
Lespedeza—Kobe	25	20–25	Ea. spg. after frost	1 to 2
Lespedeza—Korean	25	20–25	Ea. spg. after frost	1 to 2
Lespedeza Sericea (hulled)	60	25 to 30	Early spring	1 to 2
Millets—for hay	50	30	Late May to ea. July	½ to 1
Millets, Hungarian, for hay	48	48	Late May to ea. July	½ to 1
Millets, Japanese	35	20 to 30	Late May to ea. July	½ to 1
Oats	32	60 to 80	March, April	1 to 1½
Orchard Grass for hay	14	21 to 28	Ea. spring-fall	½ to 1
Peanuts	22	35 to 40	May, June	1½ to 2
Peas, Austrian winter	60	30 to 35	Aug., Sept., Oct	2
Peas, Canada Field (broadcast)	60	120 to 150	Early spring	1 to 2
Peas, Cow, broadcast	60	75 to 90	May or June	1 to 2
Peas, Cow, drilled	60	25	May or June	1 to 2
Rape, broadcast	50	5 to 8	Ea. May to Late July	½ to 1½
Rape, drilled	50	4 to 5	Ea. May to late July	½ to 1½
Red Top, Solid Seed	14	6 to 8	Apr. or ea. Sept	½
Rye, Grain	56	84 to 112	Sept. to Nov	1 to 1½
Rye, Grass	24	28 to 35	Apr. or ea. Sept	½
Sorghum Forage, broadcast	50	40 to 50	May, June	1 to 1½
Sorghum Forage, drilled	50	8 to 10	May, June	1 to 1½
Soy Beans, broadcast	60	75 to 120	May, June	1 to 2
Soy Beans, drilled	60	25	May, June	1 to 2
Sudan Grass, broadcast	40	20 to 30	Late May to ea. July	½ to 1
Sudan Grass, drilled	40	10 to 15	Late May to ea. July	½ to 1
Sunflower	32	6 to 8	May	1 to 2
Timothy	45	8 to 10	Spring and Fall	½
Vetch, Winter or Hairy	60	40 to 60	June to Sept	1 to 2
Vetch, Spring	60	40 to 60	March or April	1 to 2
Wheat, Winter	60	75 to 90	Sept. to Nov	1 to 1½

NON-WARRANTY

Our seeds are carefully selected and are the best that can be obtained. For your further protection, we test all seeds before placing them on the market. Because success in gardening depends largely on cultivation, soil, and weather conditions, Griffith & Turner Company give no warranty, expressed or implied, as to description (including kind, variety and name), purity or productiveness, or any other matter of any seeds, bulbs or plants we sell, and we will not be in any way responsible for the crop. Every order for these articles received will be accepted on these conditions only.

VEGETABLE SEED COLLECTION NO. 1

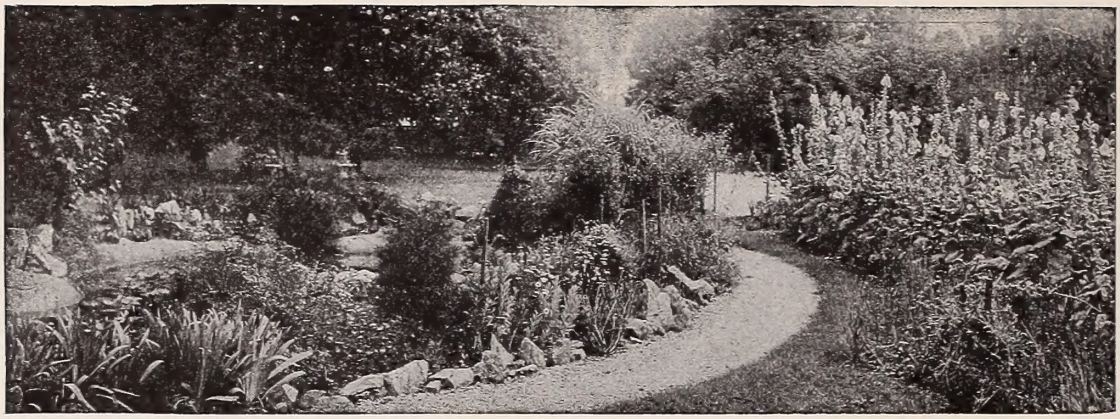
For the LARGE GARDEN $4.95

- 1 pkg. Calabiese Broccoli
- 2 lbs. Giant Stringless Beans
- 2 lbs. Fordhook Bush Lima Beans
- ½ lbs. King of Garden Pole Lima Beans
- 1 oz. G. & T. Blood Turnip Beet
- 1 pkg. Jersey Wakefield Cabbage
- 1 pkg. Late Flat Dutch Cabbage
- 1 oz. Danvers Carrot
- 1 pkg. Golden Self-Blanching Celery
- 1 lb. Golden Cross Bantam Corn
- 1 lb. G. & T. Truckers Early Corn
- 1 pkg. Long Green Cucumber
- 1 pkg. G. & T. Co's Baltimore Egg Plant
- 1 oz. Kale
- 1 pkg. Simpson Lettuce
- 1 pkg. Iceberg Lettuce
- 1 pkg. Hearts of Gold Canteloupe
- 1 pkg. New Creation Watermelon
- 1 pkg. Prizetaker Onion
- 1 pkg. G. & T. Baltimore Emerald Tripple Curled Parsley
- 1 pkg. Hollow Crown Parsnip
- 1 pkg. California Wonder Pepper
- 1 pkg. Sugar Pie Pumpkin
- 2 lbs. G. & T. Early Jumbo Peas
- 2 lbs. G. & T. Maryland Pride Peas
- 1 oz. Red Turnip Radish
- 1 pkg. Salsify
- 1 oz. Spinach
- 1 pkg. White Bush Squash
- 1 pkg. Bonny Best Tomato
- 1 pkg. Marglobe Tomato
- oz. Purple Top Globe Tur nip

Parcel Post Rates

Weight in pounds	ZONES Local	1st lb., up to 50 miles	2d lb., 50 to 150 miles	3d lb., 150 to 300 miles
1	$0.07	$0.08	$0.08	$0.09
2	.08	.10	.10	.11
3	.08	.11	.11	.13
4	.09	.12	.12	.15
5	.09	.13	.13	.17
6	.10	.14	.14	.19
7	.10	.15	.15	.21
8	.11	.16	.16	.23
9	.11	.17	.17	.25
10	.12	.18	.18	.27
11	.12	.19	.19	.29
12	.13	.21	.21	.31
13	.13	.22	.22	.33
14	.14	.23	.23	.35
15	.14	.24	.24	.37
16	.15	.25	.25	.39
17	.15	.26	.26	.41
18	.16	.27	.27	.43
19	.16	.28	.28	.45
20	.17	.29	.29	.47
21	.17	.30	.30	.49
22	.18	.32	.32	.51
23	.18	.33	.33	.53
24	.19	.34	.34	.55
25	.19	.35	.35	.57

Parcels weighing less than 10 pounds, measuring over 84 inches but not more than 100 inches in length and girth combined, are subject to a minimum charge equal to that for a 10-pound parcel for the zone to which addressed.



Griffith & Turner Co.'s Choice Flower Seeds

ALL FLOWERS ARE DIVIDED INTO CLASSES

A.—Annual flowers produce blooms the same growing season. The seed is sown in the open ground as soon as the weather permits. If early plants are desired, the seed may be started inside during the late winter. These plants should be transplanted into the garden when all danger of frost is past. Annual plants will not live through the following winter.

B.—Biennial flowers usually require two growing seasons to bloom and complete their life. They seldom flower the first season. The seed is usually sown outdoors during June, July, and August. As the plants grow, they should be thinned to prevent crowding, and finally transplanted in the fall or spring to the place where they are to flower.

H.H.P.—Half-hardy Perennial flowers.

H.P.—Hardy Perennial flowers, as a rule, do not bloom until the second year, after which they continue to live over a period of years. Some perennials last a lifetime, while others may perish within three, four, or five growing seasons. There are many perennials that will flower the first year from seed, but as they do not usually live through the winter in this locality, they are generally accepted as annuals. Perennial seed, like Biennial seed, is usually sown outdoors during June, July, and August. As the plants grow, they, too, should be thinned to prevent crowding, and finally transplanted in the fall or spring to the place where they are to flower.

T.P.—Tender Perennials require the same treatment as Hardy Perennials, except they must be protected or put in the greenhouse during the winter.

PLANTING INSTRUCTIONS

Flower seed should be sown in good rich soil, and generally at a depth three times the diameter of the seed. If the seed is very small, it is best to mix it with a little sand, in order that the seed can be sown evenly. Do not attempt to cover fine seeds, but press them into the soil with your fingers. Fertilizer should not be applied when the seed is sown, but we recommend that G. & T. Co.'s Garden Fertilizer be applied regularly while the plants are growing.

Our Suggestion of Flowers

FOR SHADE:

Alyssum	Clarkia	Godetia	Platycodon
Anchusa	Coleus	Lupine	Primula
Aquilegia	Cynoglossum	Myosotis	Schizanthus
Bellis	Eschscholtzia	Nicotiana	Sweet William
Campanula	Geum	Pansy	Viola
Centaurea			

FOR FRAGRANCE:

Alyssum	Mathiola	Pansy	Sweet Sultan
Candytuft	Mignonette	Scabiosa	Valeriana
Carnation	Nasturtium, Gleam	Stocks	Verbena
Heliotrope	Nicotiana affinis	Sweet Peas	Violet
Lupine			

CLIMBING VINES:

Balloon Vine	Dolichos	Ipomœa
Canary-Bird Flower	Echinocystis	Nasturtium, Tall
Cardinal Climber	Gourds	Scarlet Runner Beans
Cobæa	Humulus	Sweet Peas
Cypress Vine		

FOR PORCH-BOXES AND HANGING-BASKETS:

Ageratum	Geranium	Petunia	Verbena
Asparagus	Lantana	Portulaca	Zinnia
Coleus	Lobelia	Tagetes	

FOR WINTER BOUQUETS:

Celosia cristata	Helichrysum	Physalis
Globe Amaranth	Honesty	Statice
Gypsophila paniculata		

FOR CUTTING:

Agrostemma	Coreopsis	Larkspur	Salpiglossis
Anchusa	Cosmos	Lupine	Scabiosa
Antirrhinum	Cynoglossum	Marigold	Stocks
Arctotis	Delphinium	Mignonette	Sweet Peas
Aster	Dianthus	Nasturtium, Gleam	Tritoma
Brachycome	Didiscus	Nigella	Trollius
Calendula	Dimorphotheca	Pentstemon	Ursinia
Calliopsis	Eupatorium	Petunia	Valeriana
Candytuft	Gaillardia	Phlox	Verbena
Carnation	Gerbera	Pyrethrum	Veronica
Centaurea	Gypsophila	Rudbeckia	Zinnia
Chrysanthemum	Helichrysum		

FOR ROCK-GARDENS:

Alyssum	Bellis	Dianthus	Marigold
Anagallis	Brachycome	Dimorphotheca	Tunica
Aquilegia alpina	Campanula	Geum	Ursinia
Arabis	carpatica	Heuchera	Venosa
Armeria	Cerastium	Linaria	Verbena
Aubrietia	Cheiranthus	Lobelia	Viola

DOLLAR GARDEN BOOKS.

Written in a popular manner to present gardeners with expert information that is correct, authoritative and modern. Illustrated with many graphic line drawings and a halftone frontispiece. Bound in cloth. 5 x 7⅜ in. $1.00 each, postpaid $1.10.

The Wild Garden. By Margaret McKenny.
Fragrance in the Garden. By Anne Dorrance.
Plant Propagation for the Garden. By Dr. David C. Fairburn.
Spring Flowers from Bulbs. By Claire Norton.
How to Grow Annual Flowers. By Victor H. Ries.
How to Grow Perennial Flowers. By Victor H. Ries.
Pruning and Repairing of Trees, Shrubs, and Ornamentals. By Victor H. Ries.
A Year in the Rose Garden. By Dr. J. H. Nicolas.
How to Grow Delphiniums. By Dr. Leon H. Leonian.
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How to Plan the Home Landscape. By Arthur H. Carhart.
How to Make Garden Pools. By William Longyear.
Lilies in the Garden. By I. George Quint.
How to Grow Vegetables and Berries. By Adolph Kruhm.
How to Arrange Flowers. By Dorothy Biddle.
Plant Welfare. Recognition and Control of Pests and Diseases. By Victor H. Ries.

Novelties and Specialties for 1939

The symbol (AAS) preceding varieties signifies they are "All-America Selections," chosen by the All-America Council as worthy.

Morning Glory Scarlett O'Hara

Annual Hollyhock

(AAS) **Indian Spring.** (A Silver Medal Winner) Semi-double to double fringed flowers of very attractive, bright rose and rosy-carmine shades. Both stem and branches produce a continuous display of flowers. Blooms in 5 months from seed. **Pkt. 25 cts.**

Antirrhinum

(AAS) **Guinea Gold.** Glowing bronzy orange with yellow throat. Dwarf and bushy plants from 12 to 18 inches high. A grand garden Snapdragon. **Pkt. 25 cts.**

Aster

(AAS) **Early Giant Wilt-Resistant, Light Blue.** Extremely large flowers in a clear, rich light blue. A shade which blends in with either deeper or lighter tones. Early blooming, semi-tall basal branched, non-lateral type. **Pkt. 15 cts.**

Cosmos

Sensation, Double Mixed. This mixture includes the regular double crested and newer and novel fluted types, flowers averaging between 4½ and 5 inches across, with a 2 inch crested center. Similiar to the single Sensation in height and other habit characteristics. **Pkt. 25 cts.**

Sensation, Pinkie. Large flowers, 4 to 5 inches in diameter, with broad, heavy, fluted petals which slightly overlap; produced within 8 to 10 weeks from time of sowing. Height, 3 to 4 feet. **Pkt. 15 cts.**

(AAS) **Sensation, Finest Mixed.** Mammoth flowers with broad, heavy, fluted petals. Early flowering, blooming in 10 weeks from time of seeding. **Pkt. 15 cts.; ⅛ oz. 35 cts.**

Cynoglossum (A)

(AAS) **Firmament.** A new dwarf type of Chinese Forget-Me-Not. Bushy plants, 15 to 18 inches tall, with rich blue flowers. One of the very easiest flowers to grow, and especially valuable as cut flower material. **Pkt. 20 cts.**

The Russell Lupins (P)

The most outstanding strain of hardy Lupins ever developed. Long symmetrical, closely furnished spikes in an indescribably rich variety of brilliant colors—self and bi-colors—reds, oranges, pure deep yellow, and many other colors never seen here before in hardy Lupins. Height 2½ to 3½ feet. Winner of Award of Merit, R. H. S., England. **Pkt. 10 seeds 25 cts.; 25 seeds 50 cts.**

Marigold

(AAS) **Crown of Gold.** A. The first Marigold with ordorless foliage. Its fragrant, orange-yellow flowers are 2½ inches across, with centers of short, curled, quilled petals and a collar of flat guard petals on outside. The plants are 2½ feet tall, spreading, with sparse foliage, and bloom profusely early in the season. **Pkt. 15 cts.**

(AAS) **Early Sunshine.** A very early flowering and dwarf strain of Dixie Sunshine. Foliage is yellowish green; flowers 2 to 2½ inches incurved, lemon or sulphur yellow. **Pkt. 15 cts.**

(AAS) **Golden Glow.** New form of odorless African type. Bushy plants, 2½ feet high, with golden yellow closely packed tubular petals with collar of guard petals. **Pkt. 15 cts.**

Morning Glory

(AAS) **Scarlett O'Hara.** The only Gold Medal Winner in two years. Because of insufficient seed, this introduction was withheld last year. It is an early bloomer, a deep rosy crimson, or carnelian red, of medium size, about 3½ inches across. Blooms until frost and stays open longer than others. The growth is rapid and plants will bloom about two months from sowing. **Pkt. 25 cts.**

Pansy

(AAS) **Coronation Gold.** Round, canary-yellow flowers, having lower petals flushed golden bronze, with lightly ruffled edges; mild spicy scent. Claimed to be the largest yellow variety, having reached 3 inches across. **Pkt. 25 cts.**

Petunia

(AAS) **Orchid Beauty.** Dwarf, all-double, giant, fringed variety, averaging about 4 inches across, on sturdy plants a foot tall. Flowers are orchid or light lilac, heavily veined violet. **Pkt. 25 cts.**

(AAS) **Salmon Supreme.** A new, dwarf bedding variety with distinct light salmon flowers, about 2 inches across, having white throats and deeply fine-lobed. Plants have a uniform height of about 1 foot and a spread of about 1½ feet. Ideal for borders, edgings, or beds. **Pkt. 35 cts.**

(AAS) **Hollywood Star.** (Silver Medal Winner) Five pointed star shaped flowers of rose-pink with creamy yellow in throats. Leaves are long and narrow; plants at first are bushy and erect, then growing rather rankly as the season advances. **Pkt. 25 cts.**

Phlox (A)

(AAS) **Drummondi, Salmon Glory.** (Silver Medal Winner) This large flowered variety has soft but rich salmon-pink florets with distinct creamy white eyes. Each floret measuring with ordinary culture, 1¼ to 1½ inches in diameter. Fine for bedding, boxes, and cutting. Grows 10 inches high. **Pkt. 25 cts.**

Scabiosa (A)

(AAS) **Blue Moon.** Imperial Giants type. with large deep lavender-blue flowers, A striking resemblance of the Blue Cockade, but with 3 to 4 feet columnar plants; long, wiry, branching stems. Deep and wide bee-hive shaped flowers, without the pincushion tops. **Pkt. 20 cts.**

Verbena (A)

(AAS) **Blue Sentinel Hybrids.** Compacta Erecta Variety. A rich navy blue self color, with medium sized florets and trusses. Plants 10 to 12 in. **Pkt. 20 cts.**

Zinnias

Will Rogers—Giant Dahlia Flowering. A new Zinnia which has created a sensation. Color the brightest possible scarlet, and the form of flower typically Dahlia-like but of unusual size and substenance. **Pkt. 10 cts.; ⅛ oz. 30 cts.**

Fantasy Zinnias

Most interesting of the new Zinnia development. The delicate informal flowers, composed of a mass of shaggy, ray-like petals are quite distinct from the stiff, formal Zinnias to which we are accustomed. For flower arrangement the type is superbly adapted, and keeping qualities are excellent.

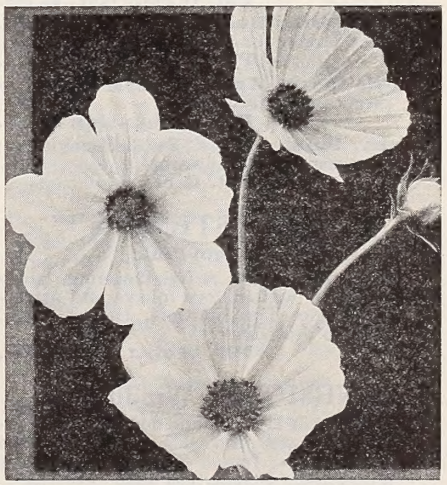
Orange Lady. Rich, deep bright orange.

Rosalie. Bright intense rose.

(AAS) **Star Dust.** Deep golden yellow.

(AAS) **White Light.** As near to a pure white as any Zinnia developed. **Pkt. 15 cts.**

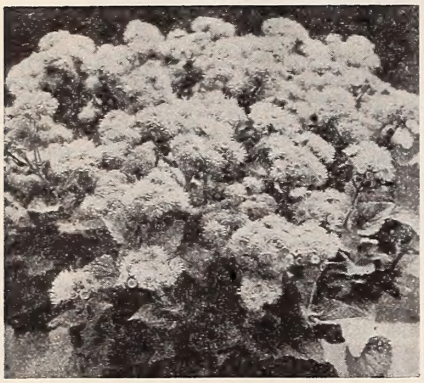
Collection: One pkt. each of above four varieties, 50 cts.



Cosmos

General List of Flower Seeds

ALL FLOWER SEEDS ARE SENT POSTPAID



Ageratum

ACHILLEA (Yarrow)

Kelwayi roseum. H.P. Deep rose. Height, 1½ feet. June, July.
Pkt. 10 cts.; ⅛ oz. 30 cts.

Ptarmica, The Pearl. H.P. Clusters of snow-white, double flowers on 2-foot plants. Blooms all summer. Fine for cutting.
Pkt. 15 cts.; ⅛ oz. 65 cts.

AGATHAEA

Blue Border Daisy

Cœlestis. T.P. Beautiful sky-blue, cineraria-like flowers. Blooms profusely throughout the season. Fine for borders, also potted for winter blooming. Height, 1 foot.
Pkt. 10 cts.; ¼oz. 50 cts.

AGERATUM (Floss Flower)

One of the best bedding plants, being literally a sheet of color from early summer until frost. Easily raised from seed.

Blue Cap. Large, rich blue flowers in dome-shaped heads. Height, 8 inches.
Pkt. 15 cts.; ⅛oz. 85 cts.

Blue Perfection. A. Deep blue flowers. Compact grower. Fine for cutting and borders. Height, 9 inches.
Pkt. 10 cts.; ¼oz. 35 cts.

Little Dorrit, Blue. A. Flowers bright blue. Used largely for edging. Height, 6 inches.
Pkt. 10 cts.; ¼oz. 35 cts.

Little Dorrit, White. A. Same in habit as preceeding, only white.
Pkt. 10 cts.; ¼oz. 35 cts.

Fairy Pink. (New) Soft salmon rose; very compact and dwarf.
Pkt. 15 cts.

AGROSTEMMA

Mullein Pink

Coronaria. H.P. A free-flowering, hardy perennial with silvery foliage and attractive single crimson flowers. Height, 2 feet. June to September.
Pkt. 10 cts.; ¼oz. 20 cts.

ANEMONE (Windflower)

St. Brigid. H.P. Both double and semi-double flowers in a wide variety of colors in May and June. Should have winter protection. Height, 1½ feet.
Pkt. 15 cts.

ANNUAL GARDEN MIXTURE. A mixture of annual flower seeds for broadcasting in beds, corners, embankments, and other bare spots. Produces a mass of color, blooming all summer.
Pkt. 10 cts.; oz. 25 cts.; 5 ozs. $1.

ALYSSUM

The Alyssums are important plants in any garden, and the annual varieties make the finest of edgings while the perennials are especially good in rock-and wall-gardening.

Basket of Gold (*Alyssum saxatile compactum*). H.P. Bright yellow flowers which cover the plant from April to June. Height, 1 foot.
Pkt. 10 cts.; ¼oz. 35 cts.; ½oz. 60 cts.

Carpet of Snow. A. Pure white. Grows 2 to 3 inches high. A favorite variety for edging.
Pkt. 10 cts.; ¼oz. 25 cts.; ½oz. 40 cts.

Lilac Queen. A. Very pretty deep lilac. Height, 6 inches.
Pkt. 10 cts.; ¼oz. 30 cts.; ½oz. 45 cts.

Little Gem. A. Small white flower. Dwarf, compact plants about 4 inches high.
Pkt. 10 cts.; ¼oz. 20 cts.; ½oz. 35 cts.

Sweet (*A. maritimum*). A. Plants of trailing habit, covered with pure white, sweet-scented flowers all summer.
Pkt. 10 cts.; ¼oz. 15 cts.; ½oz. 25 cts.

AMARANTHUS

Annuals with brilliant foliage, growing from 3 to 5 feet high. Plant in hot, sunny location.

Aurora. Red, yellow, and dark green foliage. Brilliant carmine head. Height, 3 feet.
Pkt. 10 cts.; ¼oz. 45 cts.

Molten Fire. A. Best and showiest. Bronze foliage tipped with fiery scarlet blooms.
Pkt. 10 cts.; ¼oz. 75 cts.

Tricolor (Joseph's Coat). A. Yellow, red and green foliage.
Pkt. 10 cts.; ¼oz. 45 cts.

ANAGALLIS (Pimpernel)

Cœrulea. A. Deep turquoise-blue. Showy plants completely covered the greater part of the summer with 5-petaled flowers, about 1 inch across. Fine for porch- or window-boxes, edging, and rockeries. Require sunny location.
Pkt. 10 cts.; ¼oz. 35 cts.

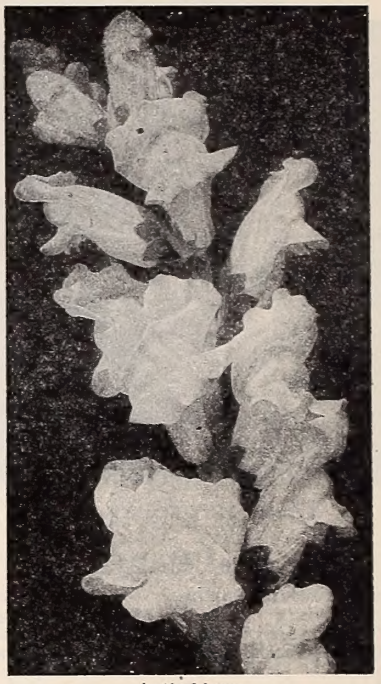
Terra-Cotta-Red. A. A dwarf annual of a cheerful, brilliant hue.
Pkt. 10 cts.; ¼oz. 35 cts.

ANCHUSA

Bluebird. A. Dwarf, compact type, about 15 inches high, with indigo-blue flowers. **Pkt. 10 cts.; ¼oz. 30 cts.**

Italica, Dropmore Variety. H.P. Large, gentian-blue flowers on graceful stems the entire summer. Height, 4 feet.
Pkt. 10 cts.; ¼oz. 25 cts.

Myosotidiflora. H.P. Dwarf species with bright blue Forget-me-not flowers during April and May. Height, 1 foot.
Pkt. 25 cts.



Antirrhinum

ANTIRRHINUM

Snapdragon

An easily grown annual which blooms through summer and fall. Fine cut-flower.

Giant-flowering Tall Varieties. A. Height, 2½ feet.

Crimson King	**Pure White**
Golden King	**Rose King**
Pink Venus	**Scarlet Defiance**

Each, pkt. 10 cts.; ¼oz. 50 cts.
COLLECTION: One pkt. each of the above 6 colors, 50 cts.

Finest Mixed. Pkt. 10 cts.; ¼oz. 35 cts.

Giant-flowering Medium Tall Varieties. A. Height, 1½ feet.

Bright Scarlet	**Pure White**
Deep Orange	**Rich Yellow**
Velvety Crimson	**Salmon-Rose**

Each, pkt. 10 cts.; ¼oz. 50 cts.
COLLECTION: One pkt. each of the above 6 colors, 50 cts.

Finest Mixed. From named varieties.
Pkt. 10 cts.; ¼oz. 35 cts.

Guinea Gold. See Novelties, page 3.

Celestial. Majestic type. Salmon Rose flowers, in broad, compact, 10 inch spikes.
Pkt. 15 cts.

Miniature Snapdragon. See Linaria.

Forcing Varieties

These are special greenhouse strains, very carefully selected, coming into bloom in four to five months from seed.

Afterglow. A. Golden orange.
Ceylon Court. A. Golden yellow.
Cheviot Maid Supreme. A. Dark pink.
Coates' Yellow Perfection. A. Deep yellow.
Lucky Strike. A. Pure white.
Rose Queen. A. Deep rose.
Sun-Tan. A. Early. Orange-tan.
Terry's Surprise (Improved). A. Rose, shaded orange.
Each, pkt. 35 cts.

We Can Supply Many Varieties Not in Our General List

Rustproof Antirrhinums

Snapdragons (A.)

A new disease-resistant strain which anyone can grow safely.

Apple Blossom. Rose-pink.
Canary Bird. Yellow.
Copper Shades.
Crimson.
Florist Pearl. White.
Indian Summer. Coppery orange scarlet.
Purple King. Deep garnet.
Each, pkt. 15 cts.; 1/16 oz. 35 cts.

University of California De Luxe Mixture. Pkt. 15 cts.; 1/8 oz. 50 cts.

AQUILEGIA (Columbine)

Graceful plants that bear a profusion of flowers in early summer. Will grow in shade or sun. One of the loveliest of flowers and fine for cutting.

Mrs. Scott Elliott's Strain. A. One of the finest strains ever raised. The blooms are large, with very long spurs, in a fascinating range of colors.
Pkt. 15 cts.; 1/8 oz. 95 cts.

Giant Long-spurred, Blue Shades. H.P. All the shades of light and dark blue.
Pkt. 15 cts.; 1/8 oz. 95 cts.

Giant Long-spurred, Pink Shades. H.P. All the shades of light and dark pink.
Pkt. 15 cts.; 1/8 oz. 95 cts.

Crimson Star. A. *New.* Rich crimson sepals and spurs in contrast to the white petals—a combination entirely new in Aquilegias.
Pkt. 25 cts.; 1/16 oz. 75 cts.

Copper Queen. (Long-spurred.) A. Petals and outside of corolla copper-red, with long spurs of deeper hue; inside of corolla straw-color. **Pkt. 15 cts.; 1/8 oz. 95 cts.**

Giant Long-spurred, Improved Varieties, Mixed. H.P. Includes all colors. Flowers are extra large, and the spurs very long.
Pkt. 10 cts.; 1/4 oz. 75 cts.

Alpine Blue. H.P. A fine rich blue variety for the rock-garden.
Pkt. 10 cts.; 1/8 oz. 50 cts.

ARABIS (Rock Cress)

Alpina. H.P. Showy border and rockery plants, with a mass of white flowers in April. Height, 6 inches.
Pkt. 10 cts.; 1/4 oz. 35 cts.

ARCTOTIS

African Lilac Daisy

Grandis. A. Large flowers, pure white on upper surface, lilac-blue beneath. Blooms from July until frost. Likes full sun. Height, 2 to 3 feet.
Pkt. 10 cts.; 1/4 oz. 30 cts.

Hybrids Autumn Shades. (New) Bright daisy-like flowers throughout the latter part of the summer and until frost. Colors in typical Autumn tones. **Pkt. 25 cts.**

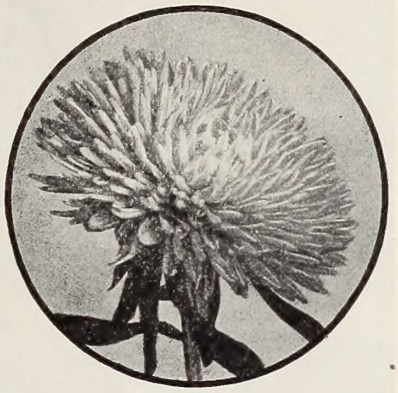
ARMERIA (Sea-Pink)

Laucheana. H.P. Produces a mass of double, ball-shaped, rosy crimson flowers with grassy foliage. Blooms in May and June. Height, 6 inches.
Pkt. 25 cts.; 1/16 oz. 60 cts.

PERENNIAL GARDEN MIXTURE. A. A mixture of the best perennial flower seeds—an inexpensive way of starting a complete perennial garden.
Pkt. 10c; lg. pkt. 25c; 5 lg. pkts. $1.

Asters

An open, sunny position and well-prepared soil is needed to grow Asters to perfection. Work a liberal quantity of bone and a little hydrated lime into the soil before setting out the plants. The new wilt-resistant varieties are pretty nearly fool-proof. Asters bloom over a long period and are the finest of cut-flowers.



Aster

Early-blooming Varieties

Early Beauty. (Wilt-resistant.) A. Plants grow from 2½ to 3 feet high with long stems bearing large, double, globular flowers with incurved petals. Blooms in July.

Azure-Blue	**Flesh-Pink**
Carmine-Rose	**Purple**
Crimson	**White**

Each, pkt. 15 cts.; 1/8 oz. 35 cts.
COLLECTION: One pkt. each of the above 6 colors, 75 cts.
Mixed. Pkt. 15 cts.; 1/8 oz. 30 cts.

Early Giant. W.R. Flowers are of large Giants of Califorina type. Plants about 1½ feet in height, with strong heavy stems.

Light Blue. (New) See Novelties, page 3.

Peach Blossom. *New.* Opens almost white and flushes light pink then lavender pink as the flower fully matures.
Pkt. 25 cts.; 1/8 oz. 90 cts.

Improved Queen of the Market. (Wilt-resistant.) A. These well-known early-flowering Asters are of branching habit, about 20 inches high, and bloom in early August.

Crimson	**Peach Blossom**
Dark Blue	**Scarlet**
Flesh-Pink	**White**

Each, pkt. 15 cts.; 1/8 oz. 35 cts.
COLLECTION: One pkt. each of above 6 colors, 75 cts.
Mixed. Pkt. 10 cts.; 1/8 oz. 30 cts.

Midseason-blooming Varieties

Improved Giant Crego. (Wilt-resistant.) A. Large, double, well-formed flowers, 4 to 5 inches across, with long, ribbon-like petals, gracefully curled and twisted. One of the finest Comet types. Height, 2 feet.

Azure-Blue	**Royal Purple**
Blue Flame (bright navy-blue)	**Shell-Pink**
	White
Crimson	**Mixed**
Peach Blossom (opens white, flushes lavender-pink).	

Each, pkt. 15 cts.; 1/8 oz. 35 cts.; 1/4 oz. 60 cts.

Enchantress. A wilt-resistant Improved Crego. An entirely new color in Asters—a luscious shade of salmon-rose. The large flowers are produced freely on branching, wilt-resistant plants, early in September. **Pkt. 15 cts.**

Giant Mammoth Peony-flowered. A. This superb florists' strain has immense, double flowers, 4 to 5 inches across, borne on long, non-lateral stems. The plants grow 2½ to 3 feet high, and bloom from middle of August until frost.

Azure Fairy	**Peach Blossom**
Deep Rose	**Purple**
Flesh-Pink	**White**

Each, pkt. 15 cts.; 1/8 oz. 60 cts.
COLLECTION: One pkt. each of above 6 colors, 75 cts.
Mixed. Pkt. 15 cts.; 1/8 oz. 50 cts.

Improved Ostrich-feathered. (Wilt-resistant.) A. One of the finest of the Comet type. Flowers are of a fluffy, feathery character; measuring 4 to 5 inches across, and borne on long, branching stems. Height, 2 feet.

Azure-Blue	***Purple**
***Crimson**	***Shell-Pink**
***Deep Rose**	**Sky-Blue**
***Light Blue**	***White**
Peach Blossom	**Mixed**

Each, pkt. 10 cts.; 1/8 oz. 35 cts.
COLLECTION: One pkt. each of above 6 varieties marked * 50 cts.

California Giants, Improved. A. These beautiful Asters stand at the head of the list not only for florists' use, but also for private gardens. The plants grow 2½ to 3 feet high, with long stems bearing large, curled, and interlaced flowers 5 inches or more across, blooming from midseason until frost.

Apple Blossom	**Dark Purple**
Light Blue	**Carmine**
Deep Rose	**White**

Each, pkt. 15 cts.; 1/8 oz. 60 cts.
COLLECTION: One pkt. each of above 6 varieties, 75 cts.
Finest Mixed. Pkt. 15 cts.; 1/8 oz. 50 cts.

Improved Giant California Sunshine. A. The flowers, 4 to 5 inches across, are composed of a single row of loosely placed outer petals which contrast with the unique yellow, quill-like center disc. Stems are long and heavy, on plants from 2 to 3 feet high. Midseason.

Flesh-Pink	**Light Blue**
Salmon-Pink	**Rose**
Purple	**White**

Each, pkt. 15 cts.; 1/8 oz. 85 cts.
Finest Mixed. Pkt. 15 cts.; 1/8 oz. 70 cts.
COLLECTION: Six pkts. of any of the above colors, 75 cts.

Astermum (A.) Wilt-resistant

Extra-large flowers resembling a giant chrysanthemum. Plants 1 to 1½ feet tall. Upright, branching, blooming in late August.

Azure-Blue Rose-Pink White
Each, pkt. 10 cts.; 1/4 oz. 55 cts.
Mixed. Pkt. 10 cts.; 1/4 oz. 50 cts.

Hardy Perennial Asters

Michaelmas Daisy, Mixed. H.P. A select mixture. Medium-sized, single flowers. Plants grow about 3 feet high and bloom in September and October. Will flower the first year from seed if started early.
Pkt. 10 cts.; 1/8 oz. 70 cts.

AUBRIETIA

False Wall Cress

Large-flowering Hybrids. H.P. A delightful group of rock-garden or edging plants that thrive in sunny crevices, covered with brilliantly colored flowers of purple, violet, and rose, in spring and early summer. Height, 6 inches.
Pkt. 15 cts.; $\frac{1}{16}$oz. 40 cts.

BALSAM

Touch-me-not; Lady's Slipper

Double Camellia-flowered. Bushy plants 2 to 3 feet tall, with double blooms, 2½ inches across, nestled close against the stem. Blooms all summer.
Double Pink. A. Light pink.
Pkt. 10 cts.; ¼oz. 30 cts.

Bush Flowered Torch. Bright vermillion red, dwarf. **Pkt. 15 cts.**

Double, Mixed. A. All colors.
Pkt. 10 cts.; ¼oz. 25 cts.

BEGONIA GRACILIS

Wax Plant

This Begonia ranks with the geranium and coleus as a bedding plant, succeeding in full sun or half shade. Height, 10 to 12 inches.

Luminosa. A. Fiery, dark scarlet flowers and satiny brown foliage. **Pkt. 25 cts.**

Primadonna. A. Large, handsome plants with shining green foliage and rose-pink flowers. **Pkt. 25 cts.**

BELLIS PERENNIS

English Daisy

Little rosettes of dark green foliage. Short-stemmed double flowers from early spring until midsummer. Treat same as pansies.

Longfellow. T.P. Dark rose.
Pkt. 10 cts.; ⅛ oz. 50 cts.

Snowball. T.P. Pure white.
Pkt. 10 cts.; ⅛oz. 50 cts.

Double, Mixed. T.P. A mixture containing all the colors.
Pkt. 10 cts.; ⅛oz. 45 cts.

BRACHYCOME

Swan River Daisy

A free-flowering annual about 1 foot high, covered with a profusion of blue, rose, and white, daisy-like flowers the greater part of the summer.

Azure Fairy. A. Lavender-blue.
Pkt. 10 cts.; ¼oz. 45 cts.

Rosea. A. Rose-pink.
Pkt. 10 cts.; ¼oz. 45 cts.

Mixed. A. All colors.
Pkt. 10 cts.; ¼oz. 35 cts.

BROWALLIA (Amethyst)

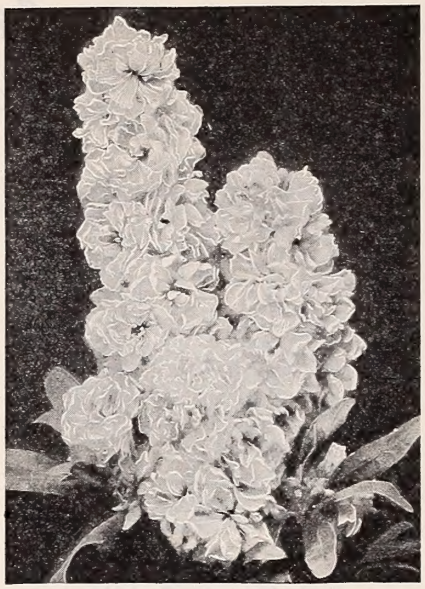
Blue and white flowers during summer and autumn. Height, 1½ feet.

Mixed. **Pkt. 10 cts.; ¼oz. 35 cts.**

CACTUS

Desert plants requiring very little water. It is most interesting as well as educational to watch them grow. Some seeds germinate quickly; others take a month.

Mixture. Good varieties, including rare sorts. **Pkt. 25 cts.**



Balsam

CALCEOLARIA

Greenhouse or conservatory plants producing a mass of spotted, pocket-like flowers through the spring and summer.

Albert Kent Hybrids. T.P. A splendid English variety with medium-sized flowers produced in large, graceful clusters. An excellent mixture. **Pkt. 35 cts.**

CALENDULA (Pot Marigold)

Splendid free-flowering annuals of easy culture. One of the most desirable cut-flowers.

Ball's Apricot. A. Large soft apricot flowers, dark eye. **Pkt. 15 cts.; ¼oz. 35 cts.**

Ball's Gold. A. Very large deep golden yellow flowers. **Pkt. 15 cts.; ¼oz. 35 cts.**

Ball's Orange. A. Bright glowing orange, dark center; petals slightly notched.
Pkt. 15 cts.; ¼oz. 35 cts.

Lemon Queen. A. Rich golden yellow.
Pkt. 10 cts.; ¼oz. 20 cts.; oz. 60 cts.

Orange King. A. Deep orange.
Pkt. 10 cts.; ¼oz. 20 cts.; oz. 60 cts.

Finest Mixed. A. All colors.
Pkt. 10 cts.; ½oz. 20 cts.; oz. 35 cts.

Campfire, Improved Florists' Strain. A. Very large flowers of dark orange with a scarlet sheen. One of the best forcing Calendulas.
Pkt. 10 cts.; ¼oz. 40 cts.; ½oz. 75 cts.

Golden Radio. A. Flowers very double, of a rich golden orange with petals beautifully quilled. **Pkt. 10 cts.; ¼oz. 25 cts.**

Chrysantha. A. An entirely new type, bearing a striking resemblance to the chrysanthemum. Flowers rich buttercup-yellow.
Pkt. 10 cts.; ¼oz. 25 cts.

Orange Fantasy. Distinct, rather dwarf, heavy-foliaged plants 1½ to 2 feet high. Flowers orange with ¾-inch center cushion or crest of seal-brown.
Pkt. 15 cts.

Orange Shaggy. A. Deep orange, shading lighter at center. Petals deeply fringed. **Pkt. 10 cts.; ¼oz. 30 cts.**

CAMPANULAS (Bellflowers)

The Bellflower family are very interesting garden plants, embracing the annual, biennial, and perennial classes. Some are tall, others are dwarf, but they are all beautiful.

New Annual Campanulas

These new Canterbury Bells will bloom the first year.
Angelus Bell. Deep rose.
Liberty Bell. Deep Violet-blue.
Wedding Bell. White.
Each, pkt. 10 cts.; ⅛oz. 35 cts.
Mixed. **Pkt. 10 cts.; ⅛oz. 25 cts.**

Biennial Varieties

Calycanthema (Cup-and-Saucer). B. These produce large, single flowers resembling a cup and saucer. **Dark Blue, Rose,** or **White.**
Each, pkt. 10 cts.; ⅛oz. 40 cts.

Medium, Single, Mixed (Canterbury Bell). B. A mixture of the single varieties in Blue, Rose, and White. Plants grow from 2 to 3 feet high, and bloom in June.
Pkt. 10 cts.; ⅛oz. 25 cts.

Medium, Double, Mixed. B. Double-flowering form of the above.
Pkt. 10 cts.; ⅛oz. 30 cts.

Perennial Varieties

Carpatica (Carpathian Bellflower). H.P. Light violet flowers all summer. Especially good for edging and rock-gardens. Height, 6 inches. **Pkt. 10 cts.; ⅛oz. 30 cts.**

Longistyla. H.P. Large purple flowers on 1 to 1½-foot plants.
Pkt. 10 cts.; ⅛oz. 30 cts.

Persicifolia, Blue (Peach Bells). H.P. One of the finest of the hardy Bellflowers, growing 2 to 2½ feet high.
Pkt. 15 cts.; ⅛oz. 65 cts.

Pyramidalis (Chimney Bellflower). H.P. Beautiful star-shaped flowers during August and September. Stately, erect plants, 4 to 5 feet high.
Mixed. **Pkt. 10 cts.; ⅛oz. 45 cts.**

Rotundifolia (Blue Bells of Scotland). H.P. Plants grow about 1 foot high, bearing a profusion of clear blue flowers from June to August. Fine for rock-gardens.
Pkt. 25 cts.

CANARY-BIRD VINE

Tropæolum canariense (A.)

A rapid-growing annual climber producing numbers of pretty canary-yellow, fringed flowers which are long-lasting as cut-flowers.
Pkt. 10 cts.; ½oz. 30 cts.

Calendula

CALLIOPSIS

Very showy annuals of easy culture, blooming all summer. Do not transplant.

Gold Crest. *New.* Rich golden yellow with a reddish brown center. Blooms average 2½ to 3 inches across and have a double row of petals. **Pkt. 10 cts.; ⅛oz. 35 cts.**

Tall, Mixed. A. Good mixture of the tall varieties. **Pkt. 10 cts.; ¼oz. 20 cts.**

The Dazzler. A. Large; yellow, with rich maroon centers. **Pkt. 10 cts.; ¼oz. 25 cts.**

The Sultan. A. Large flowers of rich maroon-crimson. **Pkt. 10 cts.; ¼oz. 25 cts.**

Dwarf, Mixed. Excellent mixture of dwarf sorts. **Pkt. 10 cts.; ¼oz. 20 cts.**

Golden Crown. An enlarged Drummondi of rich orange-yellow or gold, some blooms with an extra row of petals. The 1-foot wiry stems are fine for cutting. Large flowers with pleasing fragrance. **Pkt. 35 cts.**

CANDYTUFT (Iberis)

The popular bedding and border plant, growing about 1 foot high. The perennial varieties can be trimmed, making perfect edgings and low hedges.

Annual Varieties, Umbellata Type

Bright Rose	**Flesh-Pink**
Carmine	**Lilac**
Crimson	**White**

Each, pkt. 10 cts.; ¼oz. 25 cts.

COLLECTION: One pkt. each of above 6 colors, 50 cts.

Mixed. Pkt. 10 cts.; ¼oz. 20 cts.

Giant White Hyacinth-Flowered. Pkt. 10 cts.; ¼oz. 20 cts.

Perennial Varieties

Gibraltarica. H.P. White, shaded lilac. **Pkt. 10 cts.; ⅛oz. 30 cts.**

Sempervirens. H.P. White. Evergreen foliage. **Pkt. 10 cts.; ⅛oz. 40 cts.**

CARDINAL CLIMBER

Ipomœa quamoclit hybrida (A.)

A rapid-growing annual climber with fern-like foliage and clusters of small cardinal-red flowers. The most brilliant of all annual climbers. Soak the seed in warm water before planting. **Pkt. 15 cts.; ¼oz. 35 cts.**

CASTOR-OIL PLANT

Ricinus

Red Spire. A. Foliage bronzy green. 6 ft. **Pkt. 10 cts.; oz. 40 cts.**

Mixed. A. A select mixture of all colors. **Pkt. 10 cts.; oz. 20 cts.**

Candytuft

Chrysanthemum

CARNATIONS

These fragrant flowers come into bloom within a few weeks from time of sowing and will survive an ordinary winter if given slight protection. Height, 1½ feet.

Giant Marguerite, Double, Mixed. A. **Pkt. 10 cts.; ¼oz. 55 cts.**

Chabaud's Giant Double. A. Plants upright, bearing numerous large double flowers on long stems. Readily grown from seed and just as full and fragrant as those sold by the florist. Start the seed indoors in boxes.

Cardinal-Red	**Violet Shades**
Flesh-Pink	**Crimson**
Salmon-Rose	**White**

Each, pkt. 15 cts.; ⅛oz. 70 cts.

COLLECTION: One pkt. each of above 6 colors, 75 cts.

Finest Mixed. Pkt. 10 cts.; ¼oz. 50 cts.

CHRYSANTHEMUMS

Annual Varieties

Plants grow 2 feet high, and bear a profusion of daisy-like flowers from July to October. Splendid for cutting.

Northern Star. White, with yellow ring around dark brown eye. **Pkt. 10 cts.; ¼oz. 25 cts.**

Eastern Star. Primrose-yellow, with dark brown eye. **Pkt. 10 cts.; ¼oz. 25 cts.**

Single, Mixed. Choice mixture of all single varieties. **Pkt. 10 cts.; ¼oz. 20 cts.**

Double, Mixed. Select mixture of double sorts. **Pkt. 10 cts.; ¼oz. 20 cts.**

SHASTA DAISY

Maximum, Alaska. H.P. Magnificent pure, glistening white Daisy 5 inches across. An excellent cut-flower. Height, 3 feet. **Pkt. 10 cts.; ⅛oz. 25 cts.**

Giant Double. A profusion of double and semi-double, pure white and creamy white blooms. The semi-double blooms have curled and quilled florets. **Pkt. 35 cts.**

CELOSIA

Showy annuals growing best in a light soil. The dried flower-heads make attractive winter ornaments.

Childsi (Chinese Woolflower). A. A most distinct and beautiful new form of Celosia. The plants are free branching and bear in profusion beautiful ball-shaped flowers resembling silky wool. Height, 2 feet. **Fine Mixture. Pkt. 10 cts.; ⅛oz. 25 cts.**

Cristata (Cockscomb). A. Interesting and free-flowering annuals of easy culture, producing large, comb-like heads in fine well-blended colors. Excellent for borders. In bloom from July until frost. Height, 1½ to 2 feet.

Mixed. Pkt. 10 cts.; ⅛oz. 25 cts.

Plumosa (Feathered Cockscomb). A. An excellent decorative plant. The feathery plumes are produced on long stems and are splendid for cutting. **Finest Mixed. Pkt. 10 cts.; ¼oz. 30 cts.**

CENTAUREAS

An extremely interesting class of annuals and perennials which are very popular. They are fine for cutting, and very easily grown.

DOUBLE CORNFLOWERS (*Centaurea cyanus*). These are also known as Ragged Robin, Ragged Sailor, Bachelor's Buttons, Bluet and Blue Bottle.

Blue Boy. A. A special florists' strain. Double; blue. **Pkt. 10 cts.; ¼oz. 25 cts.**

Jubilee Gem. A. A dwarf, compact variety only 10 to 15 inches high, with double Cornflower-blue flowers. An excellent sort where a low-growing, bushy plant is needed. **Pkt. 15 cts.; ⅛oz. 60 cts.**

Finest Double Mixed. A. **Pkt. 10 cts.; ¼oz. 20 cts.**

GIANT SWEET SULTANS (*Centaurea imperialis*). Beautiful sweet-scented flowers on long, strong stems that are especially fine for cutting, lasting for several days.

Suaveolens, Yellow. A. Bright yellow. **Pkt. 10 cts.; ¼oz. 25 cts.**

Finest Mixed. A. **Pkt. 10 cts.; ¼oz. 25 cts.**

DUSTY MILLER (Centaurea).

Candidissima. A. Silvery white leaves that are excellent for edging. **Pkt. 10 cts.; ⅛oz. 35 cts.**

HARDY CENTAUREA (Mountain Bluet).

Montana. H.P. Large blue flowers, like a big Cornflower, blooming from July to September. Height, 2 feet. **Pkt. 10 cts.; ⅛oz. 25 cts.**

CHEIRANTHUS (Wallflower)

Allioni (Siberian Wallflower). P. Early-flowering perennial Wallflowers with beautiful orange flowers. A fine rockery or dwarf border plant blooming for a long time. Height, 1 foot. **Pkt. 10 cts.; ¼oz. 25 cts.**

Golden Bedder. H.P. *New.* Flowers a lovely shade of golden yellow, freely produced on neat-growing plants. Blooms first year from seed. Height, about 1 foot. **Pkt. 10 cts.; ¼oz. 30 cts.**

Kewensis (Greenhouse Wallflower). H.H.P. Opens light yellow and changes to pale purple. Height, 2 feet. **Pkt. 20 cts.**

CHELONE (Turtle-Head)

Handsome perennial growing 2 to 3 feet high with narrow, cylindrical, firecracker-like flowers. Blooms during summer and fall,

Barbata Hybrids. *New.* H.P. Shades of pink, rose, red, violet. **Pkt. 10 cts.; ⅛oz. 25 cts.**

CERASTIUM

Snow-in-Summer

Tomentosum. H.P. A fine spreading perennial plant with attractive silvery foliage and small white flowers in May and June. Excellent for rock- and wall-gardens. Prefers sunny locations. Height, 10 to 12 inches. **Pkt. 10 cts.; ⅛oz. 30 cts.**

CINERARIA

Ornamental house plants, bearing magnificent heads of velvety, daisy-like flowers in all shades of crimson, pink, blue, violet, and purple.

Multiflora nana, Mixed. Compact plants with good heads of brightly colored flowers. Fine mixture. **Pkt. 35 cts.**

CLARKIA

Elegans Double and **Single, Mixed.** A. Long racemes of flowers resembling the flowering almond—salmon, pink, mauve, rose, carmine, purple and white in mixture. July to September. Height, 2 feet. **Pkt. 10 cts.; ¼oz. 25 cts.**

CLEOME

Gigantea (Giant Spider Plant). A. Branching plants, 4 to 5 feet tall, with large heads of odd-shaped white flowers. **Pkt. 10 cts.; ¼oz. 25 cts.**

COBAEA

Scandens (Cathedral Bells). A. A rapid-growing climber attaining a height of 30 feet during the season. Will cling to any rough surface. Bell-shaped blooms. Blue, white and mixed. **Pkt. 10 cts.; ¼oz. 30 cts.**

COREOPSIS

Plants grow about 2 feet high and are covered with a mass of yellow flowers all during the summer. Requires little or no attention.

Grandiflora, Semi-double. H.P. Rich golden yellow flowers. **Pkt. 10 cts.; ¼oz. 25 cts.**

Grandiflora, Double, Sunburst. *New.* H.P. Double form of above. **Pkt. 15 cts.; ⅛oz. 35 cts.**

COSMOS

For garden decoration or long-stemmed cut-flowers, Cosmos are unsurpassed. They are easy to grow and do best in poor soil.

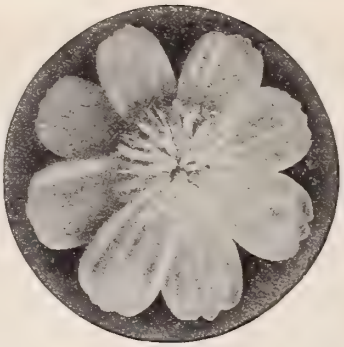
EXTRA-EARLY DOUBLE CRESTED. A. Lovely crested or anemone-shaped flowers on long stems.
Crimson King, Pink Beauty and **White Queen.** **Pkt. 15 cts.; ⅛oz. 65 cts.**
Finest Mixed. Pkt. 15 cts.; ⅛oz. 50 cts.

TRUE EARLY MAMMOTH SINGLE. A. Blooms in about 60 days from seed. Flowers 3 inches across. Height, 3 feet.
Crimson, Pink and **White.** **Pkt. 10 cts.; ¼oz. 25 cts.**
Finest Mixed. Pkt. 10 cts.; ¼oz. 20 cts.

LATE MAMMOTH SINGLE. A. Long-stemmed giant blooms, 4 inches across, from September until heavy frost.
Crimson, Pink, and **White.** **Pkt. 10 cts.; ¼oz. 25 cts.**
Finest Mixed. Pkt. 10 cts.; ¼oz. 20 cts.

Klondyke, Orange Flare. A. An early-flowering type with vivid orange flowers and very attractive light green foliage. **Pkt. 10 cts.; ¼oz. 45 cts.**

Pinkie and other Sensation Varieties. See Novelties, page 3.



Cosmos

COLEUS HYBRIDUS

Popular plants with beautifully colored foliage. Equally good as a house-plant or for garden bedding. Easily grown from seed.

Finest Mixed. Great range of colors. **Pkt. 15 cts.; 1/16oz. 75 cts.**

CUPHEA (A.)

Firefly. Fiery cerise red flowers delicately formed, resembling a ball of fire when in bloom. Plants are compact, neat in habit and very showy in rockeries, window boxes and borders. Height, 10 inches. Blooms profusely throughout the summer months. **Pkt. 15 cts.; 1/16oz. 50 cts.**

CYCLAMEN

Charming winter- and spring-flowering house-plants with beautiful variegated foliage and richly colored, fragrant blooms. Start seed any time during the summer or autumn.

Choice Mixture. **Pkt. 35 cts.**

CYNOGLOSSUM

Chinese Forget-me-not

A highly perfumed plant of easy culture, growing about 1½ feet high and producing throughout the summer large sprays of forget-me-not-like blooms.

Amabile, Blue. A. Deep blue. **Pkt. 10 cts.; ¼oz. 25 cts.**

Amabile, Pink. A. Rich deep pink. **Pkt. 10 cts.; ¼oz. 40 cts.**

Firmament. See Novelties, page 3.

CYPRESS VINE

Ipomœa quamoclit (A.)

A very popular vine with fern-like foliage and masses of star-shaped flowers. Grows 15 feet high. Soak the seed in warm water for several hours before sowing.

Scarlet. **Pkt. 10 cts.; ¼oz. 20 cts.**

White. **Pkt. 10 cts.; ¼oz. 20 cts.**

DAHLIAS FROM SEED (T.P.)

Cactus-flowered, Finest Mixed. Seed saved from named varieties in many rich colors. Sow seed early to assure blooms the first year. **Pkt. 25 cts.**

Advanced Special Strain. Large-flowering varieties. **Pkt. 25 cts.**

Single, Finest Mixed. A wide range of colors from selected flowers. **Pkt. 10 cts.**

Unwin's Ideal Bedding Curled or Semi-quilled, Mixed. A. Miniature double and semi-double flowers on dwarf, bushy plants, 1½ to 2 feet high. Blooms about 3 months from seed. **Pkt. 15 cts.; ⅛oz. 75 cts.**

DAISY, SHASTA. See Chrysanthemums, page 7.

DELPHINIUMS

The hybrid Delphiniums, with their massive spikes, are the aristocrats of the perennial garden, while the branching types are grand cut-flowers. Seed can be sown any time from spring till fall.

Belladonna, Improved, Cliveden Beauty. H.P. Large, single flowers of clear turquoise-blue. Height, 3 to 4 feet. **Pkt. 10 cts.; ⅛oz. 65 cts.**

Bellamosum, Improved. H.P. Rich deep blue. Height, 3 to 4 feet. **Pkt. 10 cts.; ⅛oz. 65 cts.**

Blackmore & Langdon's Choice Mixture. (Imported Strain.) H.P. An excellent strain with long spikes of large flowers in a fine range of colors. **Pkt. 25 cts.**

Cardinale. H.P. Brilliant scarlet. Plants grow 2½ to 3 feet high. **Pkt. 15 cts.; ⅛oz. 75 cts.**

Gold Medal Hybrids, Mixed. H.P. A choice mixture of the best varieties. **Pkt. 15 cts.; ⅛oz. 45 cts.**

Iceberg. H.P. This beautiful Delphinium reaches a height of 4 feet and bears long spikes of pure white blooms. **Pkt. 20 cts.**

Wrexham or **Hollyhock Strain.** H.P. Massive spikes of bloom with very large, hollyhock-like florets. Excellent exhibition strain. **Pkt. 20 cts.; ⅛oz. 80 cts.**

Pacific Giants. Remarkable new strain. Flowers extremely large and well formed, 2½ to 3½ inches in diameter. This strain is comparatively mildew resistant.

Dark Blue Shades. **Pkt. 50 cts.**
Light Blue Shades. **Pkt. 50 cts.**
Pacific Giant, Mixed. **Pkt. 50 cts.**

DIANTHUS (Pinks)

These include some of the most beautiful flowers in cultivation, in a great variety of brilliant colors. The profuse-blooming plants average about 1 foot in height.

Annual Varieties

Chinensis, Single, Mixed (China Pink). Select mixture of all the single types in many bright colors. Height, 18 inches. **Pkt. 10 cts.; ¼oz. 25 cts.**

Double Mixed. Pkt. 10 cts.; ¼oz. 30 cts.

Heddewigi, Double, Mixed (Japanese Pink). A colorful assortment of all shades of the double types. Height, 10 to 12 inches. **Pkt. 10 cts.; ¼oz. 30 cts.**

Dianthus Laciniatus Splendens. A. Strongly sweet-scented single flowers are large, about 2 inches in diameter, brilliant crimson with a vividly contrasting large white eye. Height, 8 inches. **Pkt. 10 cts.; ⅛oz. 35 cts.**

Sweet Wivelsfield (Hybrid Dianthus). Free-flowering annual, resembling a Sweet William in a great variety of colors. Blooms from June until frost. **Pkt. 10 cts.; ⅛oz. 20 cts.**

Hardy Perennial Varieties

Allwoodi alpinus. Showy, single and semi-double, fragrant flowers in choice colors. A rock-garden gem. Height, 4 to 6 inches. **Pkt. 25 cts.**

Deltoides (Maiden Pink). A fine variety for the rock-garden, with brilliant rose flowers in June and July. Height, 6 inches. **Pkt. 10 cts.; ⅛oz. 40 cts.**

Plumarius, Double, Mixed (Clove Pink). Double, fringed flowers in many colors; very sweet scented. Height, 1 foot. **Pkt. 10 cts.; ¼oz. 65 cts.**

Plumarius, Single, Mixed (Pheasant's Eye). Large, single, fringed flowers of many colors. **Pkt. 10 cts.; ¼oz. 25 cts.**

DIDISCUS (Blue Lace Flower)

Cæruleus. A. The long, slender stems terminate in flat clusters of lavender-blue, lace-like flowers. Height, 1½ feet.
Pkt. 10 cts.; ¼oz. 50 cts.

DIGITALIS (Foxglove)

Old-fashioned biennials, producing an abundance of long spikes of tubular-shaped flowers in June and July. Used in shrubberies and half-shady places. Height, 2 to 4 feet.

Giant Shirley, Mixed. B. The greatest improvement ever made in Foxgloves. Enormous spikes of flowers of unusual size in a wide range of colors, spotted and blotched.
Pkt. 15 cts.; ⅛oz. 30 cts.

Gloxiniæflora. B. A fine strain with gloxinia-like flowers on long spikes. **Purple, Rose, White,** and **Mixed.**
Each, pkt. 10 cts.; ¼oz. 35 cts.

Isabellina. Yellow.
Pkt. 10 cts.; ⅛oz. 35 cts.

DIMORPHOTHECA

African Golden Daisy

Aurantiaca Hybrids, Mixed. A. Large flowers in shades of yellow, orange, and rich salmon. Plants grow about 15 inches high, and bloom the greater part of the summer and fall. **Pkt. 10 cts.; ¼oz. 40 cts.**

DOLICHOS (Hyacinth Bean)

Lablab, Mixed. A rapid-growing climber with purple and white pea-shaped flowers, followed by ornamental maroon-red seed-pods. **Pkt. 10 cts.; oz. 25 cts.**

ECHINOPS (Globe Thistle)

Ritro. H.P. Silvery, thistle-like foliage with steel-blue flowers in July and August. Attractive when planted in front of shrubs. Height, 3 to 4 feet.
Pkt. 10 cts.; ¼oz. 25 cts.

ENGLISH DAISY. See Bellis, page 6.

ERIGERON

Midsummer Daisy

Speciosus grandiflorus. P. An attractive hardy border plant, producing clear mauve, daisy-like flowers with bright golden yellow centers. Height, 2 to 2½ feet.
Pkt. 15 cts.; ⅛oz. 65 cts.

ERYNGIUM (Sea Holly)

Amethystinum. H.P. Ornamental plants growing 2 to 3 feet high, with thistle-like flowers of amethyst-blue and holly-like foliage. Fine for winter bouquets.
Pkt. 10 cts.; ⅛oz. 50 cts.

ESCHSCHOLTZIA

California Poppy

Profuse-blooming annuals with gorgeously colored flowers from early summer to frost. Sow where they are to bloom. Height, 1 foot.

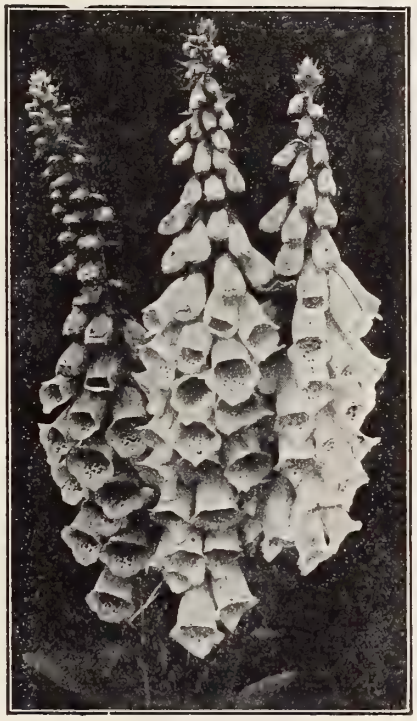
Dazzler. A. Bright scarlet.
Pkt. 10 cts.; ¼oz. 45 cts.

Fireflame. A. Orange-scarlet. Silvery foliage. **Pkt. 10 cts.; ¼oz. 45 cts.**

Mauve Beauty. A. Pure mauve.
Pkt. 10 cts.; ¼oz. 45 cts.

Hybrids, Mixed. A. Contains all the erect types and newest varieties in a wide range of rich colors. **Pkt. 10 cts.; ¼oz. 35 cts.**

Ramona Hybrids. A. A new compact and erect strain with flowers beautifully frilled and incurved. **Pkt. 15 cts.; ⅛oz. 45 cts.**



Digitalis

ROCK-GARDEN MIXTURE. A mixture of dwarf annual and perennial seeds that are suitable for rock-gardens.
Pkt. 10c; lg. pkt. 25c; 5 lg. pkts. $1.

EUPATORIUM

Thoroughwort

Fraseri. H.P. A very pretty dwarf variety producing clusters of snow-white, ageratum-like flowers, borne in dense heads during August and September. Does best in shade. Height, 1½ feet.
Pkt. 10 cts.; ⅛oz. 35 cts.

EUPHORBIA

Heterophylla (Annual Poinsettia). A. Resembles the hothouse poinsettia. Grows 2 to 3 feet high, with glossy green foliage which turns to a rich orange-scarlet about midsummer. **Pkt. 10 cts.; ¼oz. 30 cts.**

Variegata (Snow-on-the-Mountain). A. Bright green foliage, veined and margined with white, and clusters of green and white bracts topping each stem. Height, 2 feet.
Pkt. 10 cts.; ¼oz. 25 cts.

FELICIA

Bergeriana (Kingfisher Daisy). A. Beautiful blue, daisy-like blooms, with yellow centers, often ¾ inch across. Grass-like foliage. Desirable for rock-gardens. Height, 6 inches. **Pkt. 15 cts.; 1/16oz. 75 cts.**

G. & T. CO.'S ROCK-GARDEN COLLECTION. Ten popular, easily grown varieties. **1 pkt. of each, $1.**

FOUR O'CLOCK

Marvel of Peru (Mirabilis) (A.)

Free-flowering plants whose blossoms open at 4 o'clock in the afternoon. Tubular flowers of many colors. Bushy plants 2 to 4 feet high.

Tall Mixed. **Pkt. 10 cts.; oz. 20 cts.**
Dwarf Mixed. **Pkt. 10 cts.; oz. 30 cts.**

GAILLARDIA

Blanket Flower

Annual Varieties

Easily grown plants that bloom quickly from seed and produce an abundance of showy flowers. Useful for garden decoration and cutting. Height, 1½ feet.

Picta, Indian Chief. A. Single, large, glistening bronze-red blooms with dark brown centers from early summer until frost. **Pkt. 10 cts.; ¼oz. 25 cts.**

Picta Lorenziana. (Double.) A select mixture of the double types in various colors.
Pkt. 10 cts.; ¼oz. 25 cts.

Perennial Varieties

Colorful perennials that are permanent. If seed is sown early, will bloom the first year, from July until frost. Height, 2 feet.

Grandiflora, Burgundy. Coppery scarlet flowers on long stems.
Pkt. 15 cts.; ⅛oz. 50 cts.

Monarch Strain, Finest Mixed. Fine large flowers, good color range.
Pkt. 10 cts.; ⅛oz. 50 cts.

GAZANIA

Splendens hybrida grandiflora. H.H.P. Low-growing plants, bearing numerous long-stemmed, showy, daisy-like flowers in shades of orange and yellow, cream and white. Height, 6 to 8 inches.
Pkt. 15 cts.; ⅛oz. 75 cts.

GERANIUM (Gr.)

Well-known favorites in a mixture of large and fine varieties. Geraniums are easy to grow from seed. Start indoors and transplant to the open in May or June. Height, 1½ feet.
Mixed. **Pkt. 15 cts.; ⅛oz. 85 cts.**

GERBERA (Transvaal Daisy)

New Giant Hybrids, Mixed. T.P. Large, daisy-like flowers on long stems. Hardy if well mulched over winter with peat moss or some similar light material. A wide range of colors—pink, rose, orange, and scarlet. Height, 15 inches. **Pkt. 25 cts.**

GEUM (Avens)

Splendid, compact plants with showy flowers that bloom throughout the summer. Height, 1½ feet.

Lady Stratheden. H.P. Large; double; golden yellow. **Pkt. 10 cts.; ⅛oz. 60 cts.**

Mrs. Bradshaw. H.P. Large; double; orange-scarlet. **Pkt. 10 cts.; ⅛oz. 50 cts.**

Hybrids, Mixed. H.P. A mixture of many shades. **Pkt. 10 cts.; ⅛oz. 35 cts.**

GLOBE AMARANTH

Gomphrena

Globosa, Mixed. A. Also known as Bachelor's Button. Plant grows about 2 feet high, with flowers that resemble clover-heads. Can be dried and used in winter bouquets. A mixture of all the colors.
Pkt. 10 cts.; ¼oz. 25 cts.

Gypsophila

GYPSOPHILA (Baby's Breath)

Free-flowering annuals and perennials. Their mist-like flowers are largely used for mixing with other cut-flowers. The bushy plants are attractive border specimens.

Annual Varieties

Elegans rosea. A. A delicate rose shade, equally as good for cutting as the white sort. **Pkt. 10 cts.; oz. 35 cts.**

London Market Improved. A. Pure white, extremely large flowers. **Pkt. 10 cts.; ½oz. 15 cts.**

Perennial Varieties

Pacifica. H.P. Pink flowers coming into bloom after Paniculata. Height, 3 to 4 feet. **Pkt. 15 cts.; ⅛oz. 75 cts.**

Paniculata. H.P. A hardy perennial that will bloom the first year if sown early. White flowers. Height, 3 feet. **Pkt. 10 cts.; ¼oz. 25 cts.**

Repens. H.P. A dwarf, white-flowered type, fine for rock-gardens. Blooms July and August. **Pkt. 10 cts.; ⅛oz. 35 cts.**

Repens rosea. H.P. Same as above but has pale rose flowers. **Pkt. 10 cts.; ⅛oz. 60 cts.**

GODETIA (Satin Flower)

A charming little annual that is becoming very popular. It does best in a cool, partially shady place.

Kelvedon Glory. Deep glowing salmon orange of intense vividness. **Pkt. 10 cts.; ⅛oz. 25 cts.**

Ruby. *New.* Compact little plant 12 inches tall, and 18 inches in diameter, covered with hundreds of deep ruby red flowers. **Pkt. 15 cts.; ⅛oz. 35 cts.**

Sybil Sherwood, Dwarf, Double Azalea Flowered. *New.* Bright salmon pink, edged soft white. Tall double, mixed. **Pkt. 10 cts.; ¼oz. 25 cts.**

GOURDS (A.)

An interesting annual climber with ornamental foliage and curiously shaped fruit. Gourds are becoming very popular and some interesting types are listed here. **Calabash or Pipe, Dipper, Dishcloth, Egg-shaped, Spoon, Chinese Water-Jug, Mixed.** **Each, pkt. 10 cts.; ½oz. 20 cts.**

HELENIUM (Sneezewort)

Hardy perennial bearing a profusion of bloom during late summer. The daisy-like flowers are in attractively subdued colors.

Autumnale superbum. H.P. Large heads of golden yellow flowers. Blooms in late summer and autumn. Height, 3 feet. **Pkt. 15 cts.; ½oz. 60 cts.**

HELIANTHEMUM

Rock or Sun-Rose

Low-growing evergreen plant suitable for rock-gardens, banks, or borders. Grows about 1 foot high, and is a mass of bloom during June and July.

Mutabile. H.P. A mixture of choice varieties. **Pkt. 10 cts.; ⅛oz. 35 cts.**

HELIANTHUS (Sunflower)

Very desirable flowers for cutting, blooming from early summer until frost.

Dwarf Chrysanthemum-flowered. A. Double, rich golden yellow flowers about 2½ feet high. **Pkt. 10 cts.; ¼oz. 25 cts.**

Excelsior, Double, Mixed. A. Medium-sized flower in orange and yellow shades. Height, 5 feet. **Pkt. 10 cts.; ⅛oz. 25 cts.**

Autumn Glory. H.P. Showy single yellow flowers with black centers. Height, about 6 feet. **Pkt. 10 cts.; 1/16oz. 25 cts.**

HELICHRYSUM

Straw Flower

The most popular of the Everlastings. A favorite dried cut-flower. Double flowers in pleasing shades.

Finest Mixed. A. All colors. **Pkt. 10 cts.; ¼oz. 25 cts.**

HELIOPSIS

Lemoine. H.P. Double golden yellow flowers throughout the season. Height, 3 feet. **Pkt. 10 cts.; ¼oz. 45 cts.**

HELIOTROPE

Cherry Pie (T.P.)

A delightfully fragrant tender perennial that is used as an annual bedding plant. Flowers during the entire season. Height, 1½ feet.

Mixed. A splendid assortment of colors. **Pkt. 10 cts.; ⅛oz. 40 cts.**

HESPERIS (Sweet Rocket)

Plants grow about 2½ feet high, bearing showy spikes of fragrant flowers, excellent for cutting.

Mixed. H.P. All colors. **Pkt. 10 cts.; ¼oz. 20 cts.**

HEUCHERA

Coral Bells; Alum-Root (H.P.)

A desirable plant of easy culture, with tufts of ivy-like foliage from which rise slender stems, 2½ feet high, leaving sprays of tiny, bell-like flowers during July and August.

Sanguinea. Coral-red. **Pkt. 25 cts.; 1/16oz. $1.25**

Helichrysum

HIBISCUS (Marsh Mallow)

Showy plants for shrubbery borders growing from 5 to 8 feet high, and covered with great flowers, 8 to 10 inches in diameter, from July to September.

Giant-flowering Pink. H.P. **Pkt. 10 cts.; ¼oz. 30 cts.**

Mixed. H.P. All colors. **Pkt. 10 cts.; ¼oz. 25 cts.**

HOLLYHOCKS

One of the most stately of hardy plants, growing 5 to 7 feet high.

Chater's Double. H.P.

Maroon	**Scarlet**
Newport Pink	**White**
Orange	**Yellow**

Each, pkt. 10 cts.; ⅛oz. 35 cts.

Finest Mixed. Pkt. 10 cts.; ⅛oz. 30 cts.

Chater's Single Mixed. H.P. Superb mixture of the single varieties. **Pkt. 10 cts.; ¼oz. 30 cts.**

Indian Spring. See Novelties and specialities, page 3.

HONESTY. See Lunaria, page 11.

HUNNEMANNIA

Mexican Tulip Poppy

Sunlite. A. Semi-double, clear canary-yellow blooms, with light gray-green foliage. Blooms from late July until frost. Height, 2 feet. **Pkt. 10 cts.; ¼oz. 50 cts.**

ICE PLANT. Pkt. 10 cts.; ¼oz. 25 cts.

THE GARDEN ENCYCLOPEDIA
(Seymour)
1400 pages—750 pictures,
10,000 articles.
$3.65

Larkspur

IPOMOEA

Moonflowers; Morning-Glories

Heavenly Blue, Improved. A. Beautiful flowers of deep blue. This strain has much less foliage than the old type and blooms several weeks earlier.
Pkt. 10 cts.; ¼oz. 40 cts.

Scarlett O'Hara. See Novelties, page 3.

White Moonflower (*I. noctiflora*). A. Pure white flowers with a delicate fragrance.
Pkt. 10 cts.; ½oz. 30 cts.

Imperial Japanese Mixture (Morning-Glory). A. Flowers of gigantic size, with beautiful colorings. The best of all the Morning-Glories.
Pkt. 10 cts.; ½oz. 20 cts.

KALANCHOE

Blossfeldiana (K. *globulifera coccinea*). A. Compact plants with heavy, succulent, deep green leaves surmounted by panicles of brick-red flowers. **50 seeds 20 cts.**

KOCHIA

Summer Cypress; Mexican Firebush

Childsi. A. An easily grown annual which forms a cypress-like hedge, with feathery green foliage, turning to a deep red at the approach of autumn.
Pkt. 10 cts.; ¼oz. 20 cts.

KUDZU VINE. See Pueraria.

LANTANA (T.P.)

Desirable tender bedding plants always in bloom. Verbena-like heads of many colored flowers, 2 to 3 feet high. Seed is slow germinating.

Finest Mixed. Pkt. 10 cts.; ¼oz. 40 cts.

LARKSPUR

One of the finest of our summer-blooming annuals that will give a continuous succession of flowers from early July until frost. Sow the seed where it is to bloom.

Dwarf Emperor. A. A dwarf, compact type, ideal for border work. Height, 2 feet.

Ageratum Blue — **Pink Delight**
Brilliant Carmine — **White**
Each, pkt. 10 cts.; ¼oz. 30 cts.

Mixed. Pkt. 10 cts.; ¼oz. 25 cts.

Giant Imperial. A. This type has superseded all other Larkspurs for florists' and general garden use. Large spikes of double flowers on stems 4 feet long. Upright and compact growing.

Blue Spire — **Coral King** (coral pink)
Lilac Spire — **Daintiness** (lavender)
Exquisite Pink, Improved — **White King**
Each, pkt. 15 cts.; ¼oz. 35 cts.

COLLECTION: One pkt. each of above 6 varieties, 65 cts.

Finest Mixed. Pkt. 15 cts.; ¼oz. 30 cts.

Tall Double Stock-flowered. Very popular for the doubleness and size of flowers. Plants are stately, 3 to 4 feet high, and well branched.

Dark Blue (purple) — **La France** (salmon-pink)
Sky-Blue
Lilac Supreme — **Rosamond** (brilliant rose)
Los Angeles (bright pink on salmon) — **Rose Queen** (Soft rose, salmon tinge)
Each, pkt. 15 cts.; ¼oz. 35 cts.

LATHYRUS

Perennial Sweet Pea

Latifolius. Beautiful clusters of pea-like blossoms in delicate colors are borne continuously from June until September on a low climbing vine.

White Pearl, Pink Beauty, and **Red.**
Pkt. 10 cts.; ¼oz. 30 cts.

Finest Mixed. Pkt. 10 cts.; ¼oz. 25 cts.

LAVANDULA (Lavender)

Vera. P. An old-fashioned, sweet-scented herb prominent in all old gardens. The flower-heads are dried for their delightful fragrance. Height, 1½ feet.
Pkt. 10 cts.; ¼oz. 40 cts.

LEMON VERBENA

An old favorite, popular for its richly lemon-scented leaves which may be dried and laid among linens. Small purple flowers in August. **Pkt. 15 cts.; $\frac{1}{16}$oz. 50 cts.**

LEPTOSYNE

Stillmani. A. Cosmos-like, golden yellow flowers five weeks after sowing. Height, 1½ feet. **Pkt. 10 cts.; ¼oz. 35 cts.**

LIATRIS

Blazing Star; Gay Feather

Spicata. H.P. Rosy purple flowers on long spikes from July to September. The flower spikes reverse the usual order and begin to open from the top. Height, 3 to 4 feet.
Pkt. 15 cts.; $\frac{1}{16}$oz. 45 cts.

Linaria

LINARIA

Miniature Snapdragon

Maroccana, Fairy Bouquet. A. Very compact plants, 8 to 10 inches tall with blooms in rose, yellow, pink, lavender, carmine-red, violet, white and salmon shades. Fine for border or rock-garden.
Pkt. 15 cts.; ⅛oz. 50 cts.

LINUM (Flax)

Grandiflorum rubrum. A. A very showy bedding plant with large brilliant scarlet flowers all summer. Height, 15 inches.
Pkt. 10 cts.; ¼oz. 25 cts.

Perenne, Blue. H.P. Bright blue flowers all summer. The Blue Flax is one of the most satisfactory perennials. Height, 1½ feet.
Pkt. 10 cts.; ¼oz. 20 cts.

LOBELIA

Cardinalis. H.P. A hardy variety bearing a profusion of tall spikes covered with brilliant scarlet flowers on plants 3 feet high. Blooms from early August to late September. Prefers moist locations.
Pkt. 25 cts.; $\frac{1}{32}$oz. 70 cts.

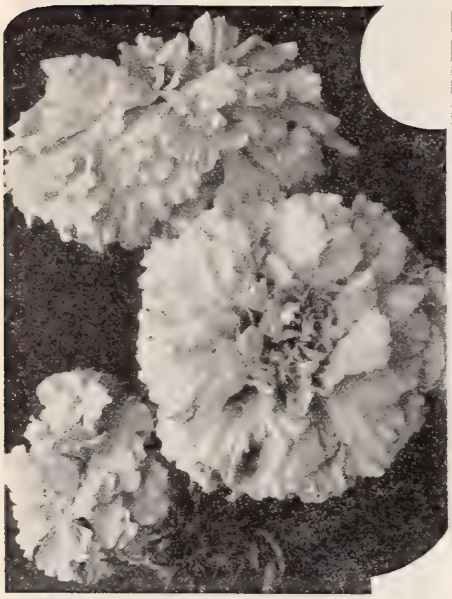
Crystal Palace Compacta. A. Rich deep blue flowers on compact little plants with dark foliage. A perfect edging plant. Height, 4 inches.
Pkt. 10 cts.; ⅛oz. 50 cts.

Gracilis, Mixed. A. A trailing type in several colors. **Pkt. 10 cts.; ⅛oz. 35 cts.**

LUNARIA

Honesty; Money-Plant

Biennis Alba. B. Silvery seed-pouches used for house ornaments and winter bouquets. Height, 2 feet.
Pkt. 10 cts.; ¼oz. 30 cts.



Marigold

LUPINUS (Lupine)

Hartwegi. A. Easily grown, free-flowering annuals, with graceful spikes of pea-shaped flowers. Plants grow 2 feet high and bloom throughout summer and fall. Plant in light shade.

	Sky-Blue
Dark Blue	**White**
Rose	**Mixed**

Each, pkt. 10 cts.; ¼oz. 15 cts.

Polyphyllus. H.P. Bloom during May and June and succeed best in a rich soil, partly shaded. Sow seed where they are to flower. Height, 3 feet.

Blue	**Yellow**
Rose	**Mixed**

Each, pkt. 10 cts.; ¼oz. 35 cts.

The Russell Lupins. See Novelties and Specialties, page 3.

MATRICARIA

Capensis albo-pleno (Double White Feverfew). A. Quantities of nice, double white flowers. For bedding or pots. Height, 1½ feet. **Pkt. 10 cts.; ¼oz. 40 cts.**

Golden Ball. A. Compact bushes covered with button-like, very double flowers of bright yellow. Height, 8 inches. **Pkt. 10 cts.; ⅛oz. 45 cts.**

MICHAELMAS DAISY. See Asters.

MIGNONETTE (Reseda)

An easily grown annual with a distinct fragrance. Sow where it is to bloom. Height, 1½ feet.

Allen's Defiance. A. A deliciously fragrant sort bearing immense spikes of large flowers. **Pkt. 10 cts.; ¼oz. 25 cts.**

Mixed. A. A select mixture of the large-flowering varieties. **Pkt. 10 cts.; ¼oz. 25 cts.**

MARIGOLDS

The African and French Marigolds are old favorites of easy culture. The African types grow about 2½ feet high, with large flowers; the French, about 1 foot with small flowers.

Double African Varieties

Orange, All Double. A. Produces a perfectly double bloom of deep golden orange. **Pkt. 10 cts.; ⅛oz. 35 cts.**

Lemon, All Double. A. Same as above, except the color, which is a clear yellow. **Pkt. 10 cts.; ⅛oz. 35 cts.**

Double, Mixed. A. Yellow and orange shades. **Pkt. 10 cts.; ¼oz. 25 cts.**

Early Sunshine. See Novelties and Specialties, page 3.

Guinea Gold. (African.) A. Compact, pyramidal plant, 2½ feet high, covered with brilliant golden orange, ruffled flowers, excellent for cutting. **Pkt. 10 cts.; ¼oz. 25 cts.**

Golden Glow. See Novelties and Specialties, page 3.

Crown of Gold. See Novelties and Specialties, page 3.

Gigantea, Sunset Giants. A. Great flowers, 5 inches or more in diameter, with a definite sweet fragrance instead of the ordinary Marigold odor. The colors in this mixture range from deep orange through golden orange, deep golden, light yellow, lemon-yellow, and a lovely new shade of primrose. **Pkt. 15 cts.; ⅛oz. 75 cts.**

African, Little Giants, Mixed. Dwarf, compact plants, averaging about 15 inches in height, with beautiful dark bluish green foliage. Flowers vary in form and color from yellow to a very bright orange, with many shades in between. Strongly recommended for pot-plants. **Pkt. 15 cts.**

Yellow Supreme. Creamy lemon-yellow carnation-like blooms, 4 inches across. Fine cut-flower variety. Height, 2½ feet. **Pkt. 10 cts.; ¼oz. 40 cts.**

Sunshine Mixture. A mixture of Guinea Gold and other loosely ruffled sorts, in shades of yellow, orange and gold. **Pkt. 10 cts.; ¼oz. 40 cts.**

Dwarf French Varieties

Legion of Honor (Little Brownie). A. A single-flowering type forming compact bushes 9 inches high. The flowers are golden yellow, with a blotch of dark crimson on each petal. They begin to flower in June and continue until frost. **Pkt. 10 cts.; ¼oz. 25 cts.**

Single Mixed. A. A select mixture of all the single varieties. **Pkt. 10 cts.; ¼oz. 25 cts.**

Harmony. Excellent dwarf, compact plants. Flowers golden yellow, bordered maroon-red, scabious shaped. **Pkt. 10 cts.; ¼oz. 30 cts.**

Double Harmony, Scabious-flowered. Dwarf. Compact plants, free flowering, flowers golden yellow bordered maroon red. **Pkt. 10 cts.; ¼oz. 40 cts.**

Double Mixed. A. A select mixture of all the double varieties. **Pkt. 10 cts.; ¼oz. 25 cts.**

Robert Beist. A. Plant grows 1 foot high and is literally covered with double, dark maroon flowers the entire summer. **Pkt. 10 cts.; ¼oz. 30 cts.**

MINIATURE MARIGOLD. See Tagetes.

MOMORDICA

An attractive climbing vine with curious and ornamental fruits.

Balsamina (Balsam Apple). A. Apple-shaped, orange-colored fruits. Height, 10 feet. **Pkt. 10 cts.; ¼oz. 25 cts.**

MYOSOTIS (Forget-me-not)

One of the most admired of our spring flowers. Very effective when grown in masses.

Alpestris, Blue. H.P. Rich blue flowers borne profusely on plants 9 inches high. Blooms in April. **Pkt. 10 cts.; ¼oz. 40 cts.**

Alpestris, Pink. H.P. The pink form of the above. **Pkt. 10 cts.; ¼oz. 60 cts.**

Alpestris, Mixed. H.P. A mixture of blue, rose, and white. **Pkt. 10 cts.; ¼oz. 35 cts.**

Palustris semperflorens. H.P. Large clear blue flowers from May until fall. Likes a moist situation. **Pkt. 15 cts.; ⅛oz. 50 cts.**

NEMESIA

A beautiful annual with orchid-like flowers. easy to grow and blooms over a long period,

Triumph, Mixed. A. Finest mixture of all the colors. **Pkt. 15 cts.; ⅛oz. 75 cts.**

NICOTIANA

Flowering Tobacco

Affinis, White. A. Pure white, delicately perfumed, blooming all season on plants 3 feet high. So fragrant that a few plants will perfume the garden. **Pkt. 10 cts.; ¼oz. 25 cts.**

Sanderæ, Crimson King. A. Dark velvety crimson-red flowers. **Pkt. 10 cts.; ¼oz. 30 cts.**

Mignonette

Use Fungtrogen on Phlox and Delphiniums for Mildew

Nasturtium

NASTURTIUM

Nothing excels these for ease of culture, duration of bloom, and brilliancy of coloring. A great profusion of gorgeous blossoms within a few weeks from the time they are sown until frost. Do best in poor soil.

Dwarf, Mixed. A. A mixture of the large-flowering dwarf varieties.
Pkt. 10 cts.; oz. 15 cts.; ¼lb. 30 cts.

Tall, Mixed. A. A mixture of the large-flowering climbing varieties.
Pkt. 10 cts.; oz. 15 cts.; ¼lb. 30 cts.

Dwarf, Ivy-leaved. A. Dark green, ivy-like foliage in many colors.
Pkt. 10 cts.; oz. 20 cts.

Double Golden Gleam. A. Still maintaining its position as one of the most popular novelties. The large, double, sweet-scented, golden yellow flowers on long stems, are borne profusely on the semi-dwarf plants.
Pkt. 10 cts.; oz. 20 cts.; ¼lb. 50 cts.

New Double Scarlet Gleam. A. A scarlet-flowered variation of the famous Golden Gleam. Flowers are fiery orange-scarlet, very fragrant, and borne on long stems.
Pkt. 10 cts.; ½oz. 35 cts.; oz. 60 cts.

New Double Gleam Hybrids. A. A collection of gorgeously colored, double, fragrant flowers of the Golden Gleam type. Plants are semi-dwarf and the flowers cover a wide range of colors.
Pkt. 10 cts.; ½oz. 35 cts.; oz. 60 cts.

Dwarf Double Golden Globe. A. Pure golden yellow sweet-scented bloom of same color and form as Golden Gleam but plants are dwarf, globe-shaped and bushy.
Pkt. 15 cts.; ½oz. 40 cts.; oz. 70 cts.

New Double Orange Gleam. A. The finest Gleam Nasturtium since Golden Gleam was introduced. Flowers are very large, uniformly double, borne on long, wiry stems, while the color is entirely new in the Nasturtium family—a deep glowing golden orange with a deeper shading at the center. Plants are semi-dwarf.
Pkt. 15 cts.; ¼oz. 35 cts.

Dwarf Double Gem Mixture. A. This mixture comprises an evenly balanced range of cheerful colors on dwarf, compact, gem-like plants and is the ideal annual for border and edging use.
Pkt. 15 cts.; ¼oz. 50 cts.

NIGELLA (Love-in-a-Mist)

A hardy, quick-blooming, old-fashioned annual, with curious double flowers.

Miss Jekyll. A. Cornflower-blue blossoms, splendid for cutting. Height, 1½ feet.
Pkt. 10 cts.; ¼oz. 20 cts.

PANSIES

G. & T. Co.'s Select Giants (B.)

Seed may be sown in April, and again in July and August, in a rich deep soil, enriched with well-rotted cow-manure. If sown in July and August will bloom in April.

ROGGLI'S SWISS GIANTS. B. These are remarkable Pansies of a most robust habit. The extra-large flowers come on long stems, and are particularly good for cutting.

Berna. Rich velvety dark blue.
Pkt. 25 cts.; 1/16oz. $1.

Cardinal. Garnet-red.
Pkt. 25 cts.; 1/16oz. $1.

Rheingold. Golden yellow, mahogany center. **Pkt. 25 cts.; 1/16oz. $1.**

Roggli's Finest Mixed. A choice mixture of all the colors. **Pkt. 25 cts.; 1/16oz. 75 cts.**

California Giants, Mixed. Giant flowers in a fine range of colors.
Pkt. 15 cts.; 1/16oz. 65 cts.

Engelmann's Giant Mixed. Dark and light shades, huge flowers, compact and early flowering. **Pkt. 25 cts.; 1/16oz. $1.25.**

Trimardeau, Mixed. A splendid bedding type bearing a great quantity of large blooms in every color.
Pkt. 10 cts.; ¼oz. 70 cts.

Coronation Gold. See Novelties and Specialties, page 3.

PASSION FLOWER

Passiflora

A beautiful, rapid-growing climber, easily grown from seed. Flowers of curious design.

Mixed. T.P. Blue and White.
Pkt. 10 cts.; ¼oz. 70 cts.

PENTSTEMON

Beard-Tongue

Sensation Improved, Mixed. H.P. Fine bedding plant about 2½ feet high, bearing spikes of gloxinia-like flowers in bright colors. **Pkt. 15 cts.; ⅛oz. 75 cts.**

PHLOX DRUMMONDI

One of the most brilliant and satisfactory bedding plants we have. Fine heads of beautifully tinted flowers are produced over a long season. Easily grown from seed.

Large-flowering Tall Varieties. A. Height, 15 inches. **Rose, Scarlet, White.**
Each, pkt. 10 cts.; ⅛oz. 35 cts.
Mixed. Pkt. 10 cts.; ⅛oz. 30 cts.

Large-flowering Dwarf, Mixed. A. Plants of this variety grow about 8 inches high.
Pkt. 10 cts.; ⅛oz. 60 cts.

Phlox

Drummondi gigantea, Art Shades. Flowers 1¼ to 1½ inches in diameter, in a wonderful range of colors in soft art shades. Height, 9 inches. **Pkt. 15 cts.**

HARDY PHLOX, Decussata. H.P. Finest mixture of the newest varieties.
Pkt. 15 cts.; ⅛oz. 65 cts.

Salmon Glory. See Novelties, page 3.

PHYSALIS (Chinese Lantern)

Francheti. H.P. An ornamental plant about 2 feet high, producing bright orange-scarlet, lantern-like fruits, which can be cut, dried, and used for winter decorations.
Pkt. 10 cts.; ¼oz. 35 cts.

PHYSOSTEGIA

False Dragonhead

Virginica. H.P. One of the prettiest hardy perennials, growing 3 to 4 feet high and bearing, during late summer and fall, spikes of delicate pink, tubular flowers.
Pkt. 10 cts.; ⅛oz. 45 cts.

PLATYCODON

Balloon Flower

An outstanding perennial, producing lovely balloon-shaped flowers opening to broad bells from July to October.

Grandiflorum. H.P. Large; steel-blue. Height, 2½ feet.
Pkt. 10 cts.; ¼oz. 45 cts.

Grandiflorum Mariesi. H.P. Large, open, bell-shaped flowers of a rich violet-blue. Height, 15 inches.
Pkt. 15 cts.; ⅛oz. 75 cts.

POLEMONIUM

Jacob's Ladder (H.P.)

Cæruleum. H.P. Spikes of bell-shaped blue flowers borne profusely in May and June. Plant this for the bees. Height, 2 feet.
Pkt. 10 cts.; ¼oz. 25 cts.

PRIMULA (Primrose) H.P.

Beautiful early spring-flowering perennials. Thrive best in half shade, rich, moist, and well-drained soil.

Japonica (Japanese Primrose). Mixed colors. Height, 1½ feet. **Pkt. 15 cts.**

Kewensis. The flowers are bright yellow and fragrant. **Pkt. 25 cts.**

Malacoides (Giant Baby Primrose). A popular pot-plant for winter and spring blooming. Branching habit. Light lilac.
Pkt. 25 cts.

Malacoides, Choice Mixed. Pkt. 20 cts.

Obconica. We can supply popular varieties.

Veris (English Cowslip). Mixed colors. Height, 6 to 9 inches. **Pkt. 15 cts.**

Vulgaris (English Primrose). Canary-yellow. Height, 6 inches. **Pkt. 15 cts.**

Pansies

Petunias

Petunias

BALCONY TYPE. A. A splendid large- and free-flowering variety for window-boxes, hanging-baskets, etc. Plants are of a spreading habit.

Deep Blue **White**
Crimson **Rose**
Each, pkt. 15 cts.; 1/16oz. 60 cts.
Mixed. Pkt. 15 cts.; 1/16oz. 45 cts.

HYBRIDA NANA ERECTA

Striped and Blotched. A. **Pkt. 10 cts.; 1/8oz. 45 cts.**

Rose of Heaven. A. Rich brilliant rose. **Pkt. 10 cts.; 1/8oz. 40 cts.**

Rosy Morn. A. Soft rose-pink. **Pkt. 10 cts.; 1/8oz. 50 cts.**

Snow Queen. Large, pure white flowers. **Pkt. 10 cts.; 1/8oz. 50 cts.**

Finest Mixed. A. **Pkt. 10 cts.; 1/8oz. 45 cts.**

MINIATURE NANA COMPACTA

A new strain of miniature Petunias forming perfect compact plants about 6 inches high and 8 inches in diameter fully covered with a mass of 2 to 3 inch flowers.

Pink Gem. Deep pink. **Pkt. 15 cts.; 1/8oz. 50 cts.**

Rose Gem. Bright rose. **Pkt. 15 cts.; 1/8oz. 50 cts.**

Miniature, Royal Gem. Flowers of a rich rosy crimson-carmine, deepening slightly at the base of the petals; pure white throat, lightly veined carmine. **Pkt. 20 cts.**

Martha Washington (Ruffled Dwarf Petunia). A. Compact type about 9 inches tall, covered with delicately ruffled, medium-sized flowers. Blush-pink at the edges, deepening to dark violet in the throat, with heavy veining. **Pkt. 25 cts.**

HYBRIDA

Blue Bee. A. Deep violet-blue. **Pkt. 10 cts.; 1/8oz. 45 cts.**

Flaming Velvet. A. A large, freely producing flower of brilliant velvety blood-red—a very unusual color. Neat, compact plants. **Pkt. 10 cts.; 1/16oz. 60 cts.**

Howard's Star. A. Reddish purple, with white star in center. **Pkt. 10 cts.; 1/8oz. 35 cts.**

Special Mixture. A. Splendid mixture of all the best spreading varieties. **Pkt. 10 cts.; 1/8oz. 30 cts.**

GRANDIFLORA, SINGLE FRINGED

Dainty Lady. A. An entirely new color in Petunias—delicate golden yellow. The plants are neat, compact, semi-dwarf, and free-flowering, bearing an abundance of the medium-sized, delicately fringed blooms all summer. **Pkt. 25 cts.**

Theodosia. A. Large, fringed, rose-pink blooms with clear golden yellow centers, beautifully veined. **Pkt. 25 cts.**

Royal Purple. A. Large, single, fringed flowers of rich purple. An excellent variety. **Pkt. 25 cts.**

Fluffy Ruffles. A. Mixture of light and dark shades, finely fringed and ruffled. **Pkt. 25 cts.**

Special Varieties

Dwarf Giants of California Mixture. A. A superb strain of dwarf, compact, single Petunias with giant ruffled flowers that have extra-large, veined throats. A well-balanced mixture of colors. **Pkt. 25 cts.**

Double Large-flowering Fringed. A. A fancy mixture which produces a large percentage of doubles. **Pkt. 50 cts.**

Hollywood Star. See Novelties.

Orchid Beauty. See Novelties and Specialties, page 3.

Salmon Supreme. See Novelties and Specialties, page 3.

PUERARIA (Kudzu Vine)

Fast-growing climber with rosy purple, wisteria-like flower-clusters and large, bean-like foliage. **Pkt. 10 cts.; 1/4oz. 20 cts.**

POPPIES (Papaver)

Annual Poppies should be sown as early as possible in the spring where they are to flower, as they do not transplant well. Thin out plants to stand 3 to 4 inches apart, and keep the old blossoms cut.

SINGLE SHIRLEY

American Legion. A. Enormous flowers of dazzling orange-scarlet on long stems. **Pkt. 10 cts.; 1/4oz. 25 cts.**

Picotee. A. White, edged scarlet. **Pkt. 10 cts.; 1/4oz. 25 cts.**

Wild Rose. A. Soft wild-rose-pink. **Pkt. 10 cts.; 1/4oz. 25 cts.**

Finest Mixed. A. A wide range of colors. **Pkt. 10 cts.; 1/4oz. 20 cts.**

Double Shirley, Dazzler. A. Orange-scarlet. Very effective for mass planting. **Pkt. 10 cts.; 1/4oz. 40 cts.**

Double Shirley, Mixed. A. *New.* Semi-double type in a wide range of colors. Blooms continuously throughout spring and summer. **Pkt. 10 cts.; 1/4oz. 25 cts.**

Flanders. A. Dwarf. Orange-scarlet with black cross. **Pkt. 10 cts.; 1/4oz. 25 cts.**

Tulip Poppy (Glaucum). A dazzling deep scarlet, black maltese cross. **Pkt. 10 cts.; 1/4oz. 40 cts.**

Poppies

HARDY POPPIES

Nudicaule; Iceland Poppies

Hardy perennials that will flower the first year from seeds, bearing graceful spikes of brilliant flowers in endless profusion. Height, 15 inches.

The Emperor. H.P. Large, fluted flowers of deep tangerine-orange. Strong, straight stems, 18 to 20 inches long. **Pkt. 20 cts.; 1/16oz. 35 cts.**

The Empress. H.P. Large, fluted flowers with broad overlapping petals of salmon-rose and pink. **Pkt. 20 cts.; 1/16oz. 35 cts.**

Yellow Wonder. Extra-large flowers of a bright buttercup-yellow with a lighter center. Stems more than 2 feet long. Splendid for cutting. **Pkt. 15 cts.**

Double Mixed. H.P. **Pkt. 15 cts.; 1/8oz. 50 cts.**

Orientale; Oriental Poppies

Sow seed early in spring. The resulting plants will disappear in July and August, appearing again as the weather gets cool. Transplant then to their permanent quarters.

Mrs. Perry. H.P. Large flowers of a rich shade of apricot or salmon-pink. **Pkt. 10 cts.; 1/8oz. 75 cts.**

Princess Victoria Louise. H.P. A lovely shade of orange-salmon. Very fine. **Pkt. 10 cts.; 1/16oz. 40 cts.**

Scarlet. H.P. Magnificent flowers of brilliant scarlet. **Pkt. 10 cts.; 1/4oz. 45 cts.**

Mixed. H.P. A select mixture of the named sorts. **Pkt. 10 cts.; 1/4oz. 50 cts.**

ALPINE POPPIES. H.P. Miniatures excellent for rock-gardens, with blooms of marvelous colors. **Pkt. 25 cts.**

PORTULACA

Sun Plant; Mexican Rose (A.)

A gay annual of easy culture, thriving best in an exposed sunny location. Brilliant flowers produced throughout the summer in great profusion. Do not sow until warm weather. Height, 6 inches.

Single, Mixed. Pkt. 10 cts.; 1/8oz. 15 cts.
Double, Mixed. Pkt. 10 cts.; 1/8oz. 45 cts.

PYRETHRUM

Painted Daisies

Large daisy-like flowers on 2-foot stems. Exceptionally fine for cutting.

Single, Mixed. H.P.
Pkt. 10 cts.; ⅛oz. 40 cts.

Double, Mixed. H.P.
Pkt. 20 cts.; ⅛oz. 75 cts.

RUDBECKIA (Coneflower)

My Joy (Black-eyed Susan). A. A marvelous, giant-flowered annual Rudbeckia with golden yellow blooms having black cones in center. Profuse bloomer all summer and fall.
Pkt. 10 cts.; ¼oz. 75 cts.

Purpurea (Giant Purple Coneflower). H.P. Large, reddish purple flowers with purple-black centers. Blooms all summer.
Pkt. 10 cts.; ¼oz. 45 cts.

SALPIGLOSSIS

Painted Tongue (A.)

A beautiful annual in a most unusual range of colors. They produce freely, from midsummer until frost, their orchid-like flowers on plants 2½ feet high.

Brown and Gold — **Purple and Gold**
Crimson and Gold — **Rose and Gold**
Light Blue and Gold — **Violet and Gold**
Each, pkt. 10 cts.; ¼oz. 60 cts.

Mixed. **Pkt. 10 cts.; ¼oz. 40 cts.**

SALVIA (Scarlet Sage)

Start the seed indoors in March and April, and set out when weather is settled.

Bonfire. A. Compact bushes about 2 feet high, with brilliant scarlet flower-spikes.
Pkt. 10 cts.; ⅛oz. 50 cts.

Blaze of Fire. *New.* Glowing scarlet. Earliest of all dwarf flowering Salvias.
Pkt. 15 cts.

Harbinger. A. A dwarf, large-flowering variety which starts blooming in July and continues until frost. It makes beautiful symmetrical plants about 15 inches high covered with sprays of brilliant scarlet flowers. **Pkt. 15 cts.; 1/16oz. 60 cts.**

Farinacea. H.P. Fine light blue flowers, borne on long spikes. Plants grow from 2 to 3 feet high, and will bloom the first year from seed. **Pkt. 10 cts.; ⅛oz. 60 cts.**

Scabiosa

SCARLET RUNNER BEANS (A.)

An ornamental climber bearing large sprays of bright scarlet blossoms followed by edible beans of excellent flavor. Rich green foliage. Height, 12 to 15 feet.
Pkt. 10 cts.; oz. 20 cts.

SCHIZANTHUS

Butterfly Flower

Grandiflora Hybrids. A. One of the greatest and finest annuals. Bright, showy, butterfly-like blooms, splendid for corsages.

Purple Shades. Purple and very dark blues. **Pkt. 15 cts.**

Sunset Hybrids. Bright red and carmine shades, with delicate gold markings.
Pkt. 15 cts.

SEDUM (Stonecrop) H.P.

Splendid for rock-gardens and rock walls.

Mixed. **Pkt. 25 cts.**

SHASTA DAISY

See Chrysanthemums, Page 7.

SCABIOSA

Mourning Bride; Pin-Cushion Flower

The annual type grows quickly from seed and is superb for cutting. It grows 2½ feet high, and blooms from July until frost.

Large-flowered Tall Double Annual Varieties

Azure Fairy. Clear lavender-blue.
Pkt. 10 cts.; ¼oz. 30 cts.

Blue Moon. See Novelties, page 3.

Crimson. Rich crimson.
Pkt. 10 cts.; ¼oz. 30 cts.

Fiery Scarlet. Very double flowers in a brilliant shade of scarlet. Height, 1½ feet.
Pkt. 10 cts.; ¼oz. 30 cts.

Flesh-Pink. Delicate pink.
Pkt. 10 cts.; ¼oz. 30 cts.

King of the Blacks. Reddish black.
Pkt. 10 cts.; ¼oz. 30 cts.

Loveliness. Flowers in various tones of delicate salmon-rose shades, with delightful fragrance, borne on long, stiff stems. The most beautiful Scabiosa ever introduced. **Pkt. 10 cts.; ¼oz. 30 cts.**

Peach Blossom. Blooms a lovely shade of pink, borne on long stems, excellent for cutting. **Pkt. 10 cts.; ¼oz. 30 cts.**

Rosette. Beautiful shade of deep rose heavily suffused with salmon. Flowers large, with long stiff stems. **Pkt. 15 cts.**

Shasta. Large white blooms 3 to 4 inches in diameter. **Pkt. 10 cts.; ¼oz. 30 cts.**

Yellow. Sulphur-yellow.
Pkt. 10 cts.; ¼oz. 30 cts.

Giant-flowered Hybrids, Mixed. All colors. **Pkt. 10 cts.; ¼oz. 50 cts.**

Perennial Varieties

Fine border plants, very easy to grow.

Caucasica alba. H.P. A pure white variety, fine for cutting. Height, 3 feet.
Pkt. 10 cts.; ⅛oz. 65 cts.

Giant Hybrids (Isaac House Strain). H.P. Fringed and ruffled flowers in various shades of blue. One of the finest garden flowers for cutting. Height, 3 feet.
Pkt. 25 cts.; 1/16oz. 50 cts.

Japonica. H.P. A Japanese variety, bearing a profusion of long-stemmed, lavender-blue flowers all summer. Height, 2½ feet.
Pkt. 10 cts.; ¼oz. 35 cts.

STEVIA

Serrata. T.P. Free-blooming plants for summer or winter use, bearing a profusion of fragrant white flowers that are excellent for cutting. Height, 2 feet. **Pkt. 15 cts.**

STATICE (Sea Lavender)

Used in combination with other Everlastings in winter bouquets.

Latifolia. H.P. Purplish blue flowers, borne profusely on plants 2½ feet high.
Pkt. 10 cts.; ⅛oz. 40 cts.

Sinuata. A. A choice mixture of all colors.
Pkt. 10 cts.; ⅛oz. 25 cts.

Suworowi (Russian Statice). A. Long spikes closely set with bright rose blooms. Height, 1½ feet. **Pkt. 10 cts.; ¼oz. 40 cts.**

STOCKS (Gilliflower) A.

One of the oldest and best-loved garden flowers, being unsurpassed for brilliance of color, fragrance, and profusion of bloom.

Double Early Giant Imperial Branching (Improved Bismarck). A. Large flowers and long stems of this class make it especially desirable for cutting. Very early blooming.

Antique Copper — **Blood-Red**
Buttercup — **Elk's Pride**
Chamois-Rose — **Shasta**
Mixed
Each, pkt. 15 cts.; 1/16oz. 45 cts.

Double Giant Column Non-branching. Immense, fully double, close-spaced flowers. This strain is very much in demand by florists.

Deep Rose. — **Lavender.** Silvery lilac.
Illusion. Scarlet. — **Moonlight.** Yellow.
Ball's White. — **Ruby-Red.**
Mixed.
Each, pkt. 25 cts.

Large-flowering Dwarf, Ten-Weeks Stocks. A dwarf, compact sort coming into flower quicker than the other types. Height, 12 to 15 inches.

Azure-Blue — **Deep Rose**
Canary-Yellow — **Flesh-Pink**
Crimson — **Lavender**
Each, pkt. 10 cts.; ⅛oz. 50 cts.

Mixed. **Pkt. 10 cts.; ⅛oz. 45 cts.**

Salpiglossis

SWEET PEAS (A.)

CULTURE. Sow the seed as early in the spring as the ground can be prepared. Work soil at least 18 inches deep, and use liberal amount of well-rotted cow-manure. Plant seed about 2 inches deep and 3 inches apart. Later, thin out the plants to 6 to 8 inches apart. Sweet Peas can be planted also in the fall, but they should be sown 3 inches deep and protected with straw or strawy manure during severe freezing weather.

Summer-flowering Spencer

Ascot. Pale pink.
Austin Frederick Imp. Rosy lavender.
Avalanche. Pure white.
Barbara. Soft salmon-pink.
Floradale Purple. Deep purple.
Matchless. Deep cream.
Ruffled Rose. Soft rich rose, ruffled.
Sunset. Bright carmine-rose.
The Admiral. Violet-blue.
Welcome. Dazzling scarlet.
Each, pkt. 10 cts.; ½oz. 15 cts.

Superb Mixed. Containing a fine selection of the largest and most attractive named Spencer varieties.
Pkt. 10c; oz. 20c; ¼lb. 60c; lb. $1.75.

Sweet Peas

New Early or Winter-flowering Spencer Sweet Peas

American Beauty. Glowing crimson.
Ball's Orange. Rich orange.
Blue Bonnet. Best clear blue.
Glitters. Brilliant cerise.
Grenadier. Intense brilliant poppy-scarlet.
Harmony. Clear lavender.
Jeanne Mamitsch. Bright rich pink.
Lavender King. Deep lavender.
Mrs. Herbert Hoover. Clear blue.
Shirley Temple. Soft rose-pink, fluted blooms.
White Harmony. (Black-seeded.) White.
Zvolanek's Rose. Bright rose-pink.
Each, pkt. 15 cts.

HARDY SWEET PEA. See Lathyrus.

G. & T. Co.'s Fine Mixed. A fine mixture of the newest colors and shades. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. 90 cts.**

Cupid, Dwarf Mixed. Grows about 6 inches high and blooms all summer. All colors. **Pkt. 10 cts.; oz. 35 cts.; ¼ lb. $1.25.**

SWEET WILLIAM

Dianthus barbatus (B.)

A well-known, attractive free-flowering biennial which should be in every garden. Height, 1½ feet.

Single Newport Pink.
Pkt. 15 cts.; ¼oz. 45 cts.

Single Dark Crimson.
Pkt. 10 cts.; ¼oz. 25 cts.

Single, Finest Mixed.
Pkt. 10 cts.; ¼oz. 25 cts.

Double, Finest Mixed.
Pkt. 10 cts.; ¼oz. 30 cts.

TUNICA

Saxifraga. H.P. A grass-like plant with small, pale pink flowers on wiry stems.
Pkt. 10 cts.; ¼oz. 30 cts.

STOKESIA (Cornflower Aster)

A hardy perennial about 2 feet high bearing large, aster-like flowers from July till frost.

Cyanea. H.P. Lavender-blue.
Pkt. 10 cts.; ⅛oz. 40 cts.

Mixed. H.P. Blue and White.
Pkt. 10 cts.; ⅛oz. 40 cts.

TAGETES

Miniature Marigold

Signata pumila. A. A dwarf, compact Marigold with fern-like foliage, covered with golden orange blooms all season. Makes a nice edging. Height, 9 inches.
Pkt. 10 cts.; ⅛oz. 25 cts.

THUNBERGIA (A.)

Black-eyed Susan Vine

A rapid-growing climber used extensively in hanging-baskets, on low fences, etc. Flowers in shades of buff, white, and orange, with dark eyes.

Alata, Finest Mixed (Black-eyed Susan).
Pkt. 10 cts.; ¼oz. 35 cts.

TITHONIA

Speciosa Grandiflora Fireball. *New.* A brilliant, vibrant shade of scarlet orange, the petals in dazzling contrast to the clear yellow center. Flowers are single, 4½ to 5 inches in diameter, carried on long stems. Plants are tall, sometimes as high as 8 or 9 feet, with a heavy growth of grayish green wooly foliage. Extremely showy in the garden, and an excellent cut flower. **Pkt. 15 cts.; ⅛oz. 50 cts.**

TRITOMA (H.P.)

Red-Hot Poker; Torch Lily

Tall spikes, topped by narrow, tubular, pale yellow to orange-red flowers, closely arranged in shingle-like fashion.
Pkt. 10 cts.; ⅛oz. 35 cts.

TROLLIUS (Globe Flower)

Europæus. H.P. Golden yellow flowers, like huge buttercups. In bloom from May to August. They prefer a well-drained, partly shady position. Height, 2 feet.
Pkt. 25 cts.

URSINIA (Jewels of the Veldt)

Anethoides. A. Brilliant orange, daisy-like flowers, with deep purple centers. Grows about 10 inches high and is very easily raised from seed.
Pkt. 15 cts.; ⅛oz. 60 cts.

VERBENAS

A brilliant free-flowering annual bearing large trusses of blooms from July until frost. Low, spreading plants which root wherever the stems touch the soil.

Mammoth-flowering Varieties. A.

Blue Shades — **Scarlet**
Golden Yellow — **White**
Pink
Each, pkt. 10 cts.; ⅛oz. 45 cts.
COLLECTION: One pkt. each of the above 5 colors, 40 cts.

Mixed. **Pkt. 10 cts.; ⅛oz. 35 cts.**

BLUE SENTINEL Hybrids. See Novelties, page 3.

Floradale Beauty. Large-flowered rose shades with salmon-rose predominating. **Pkt. 15 cts.**

Verbenas

New Dwarf Compact Varieties

A. Plants grow only about 6 inches high and are literally covered with blooms. Fine for rock-gardens and borders.

Scarlet — **Ruby-Red**
Violet Bouquet — **Pure White**
Salmon-Buff
Each, pkt. 15 cts.; ⅛oz. 65 cts.
COLLECTION: One pkt. each of above 5 colors, 60 cts.

Finest Mixed. Pkt. 15 cts.; ⅛oz. 55 cts.

Venosa (Hardy Verbena). H.P. Plants grow 1 foot high and bear bright purple flowers all summer. **Pkt. 10 cts.; ¼oz. 60 cts.**

Venosa lilacina. *New.* H.P. A lilac-colored form of the above. **Pkt. 25 cts.**

Verbena, Lemon. See page 11.

VALERIANA

Garden Heliotrope

Hardy perennial 2½ feet high, with panicles of flowers having the odor of heliotrope.
Pink or **White.** H.P.
Each, pkt. 10 cts.; ¼oz. 35 cts.

VENIDIUM

Fastuosum (Monarch of the Veldt). A. New South African annual. Rich, orange-colored, daisy-like flowers having a black blotch at the base of each petal.
Pkt. 20 cts.; 1/16oz. 60 cts.

VINCA (Periwinkle; Old Maid)

Free-blooming annual bedding plant with shiny, laurel-like leaves. Height, 12 to 15 inches.

White or **Rose.** A.
Each, pkt. 10 cts.; ¼ oz. 50 cts.

Mixed. **Pkt. 10 cts.; ¼ oz. 45 cts.**

Zinnias (Youth and Old Age)

Plants bearing a profusion of brilliant-colored flowers throughout the season. One of our most popular annuals, successful with everyone.

Zinnias

Giant Double Dahlia-flowered

Plants grow 2 to 3 feet high, bearing huge, double flowers, which resemble the dahlia.

***Canary Bird.** Rich canary-yellow.

***Crimson Monarch.** Deep crimson.

***Dream.** Deep rosy lavender.

***Exquisite.** Light rose with deep rose center.

***Golden State.** Yellow-orange, turning to orange.

***Illumination.** Deep rose self.

Oriole. A bicolor flower of orange and gold.

Polar Bear. Large; creamy white.

Scarlet Flame. Brilliant scarlet.

Each, pkt. 10 cts.; ¼oz. 50 cts.

Will Rogers. See Novelties, page 3.

COLLECTION: One pkt. each of above 6 varieties marked * 50 cts.

Finest Mixed. A select mixture of all colors. **Pkt. 10 cts.; ¼oz. 35 cts.**

Lilliput or Pompon

Small, compact flowers on strong stems.

Canary-Yellow	**Rose-Pink**
Crimson Gem	**White Gem**
Flesh-Pink	**Purple Gem**

Each, pkt. 10 cts.; ¼oz. 35 cts.

Mixed. Pkt. 10 cts.; ¼oz. 30 cts.

Lilliput, Tom Thumb

Compact plants, 4 to 6 inches tall, covered with well-formed flowers of the Lilliput type. Excellent for pot-plant and border use.

Finest Mixed. Pkt. 10 cts.; ⅛oz. 35 cts.

Scabious-flowered, Mixed. *New.* A. Plants 2 to 2½ feet high, bearing numerous medium-sized flowers, having a remarkable resemblance to annual scabious. Color ranges through rich shades of crimson, scarlet, orange, yellow, pink, and white.

Mixture only. Pkt. 10 cts.; ⅛oz. 30 cts.

California Giants

Plants are taller than the Dahlia-flowered type, growing 3 to 4 feet high and bearing immense double flowers, 5 to 6 inches across and 1 inch in depth.

***Brightness.** Bright pink.

***Daffodil.** Canary-yellow.

***Grenadier.** Dark red.

***Lavender Queen.** Deep lavender.

Miss Willmott. Soft pink.

Orange Queen. Golden orange.

***Scarlet Gem.** Glowing scarlet.

***Purity.** Pure white.

Each, pkt. 10 cts.; ¼oz. 50 cts.

COLLECTION: One pkt. each of above six varieties marked *, 50 cts.

Finest Mixed. A choice mixture of all colors. **Pkt. 10 cts.; ¼oz. 40 cts.**

Various Zinnias

Dwarf Double, Mixed (Cut-and-Come-Again). Plants grow about 1½ feet high, bearing large, double flowers in good clear colors. **Pkt. 10 cts.; ¼oz. 25 cts.**

Curled and Crested, Mixed. The petals are curled and crested into many graceful forms. Comprising all the brilliant colors. **Pkt. 10 cts.; ¼oz. 30 cts.**

Pumila Picotee Delight, Mixed. Blooms medium size; petals curled, with picotee markings. **Pkt. 10 cts.; ¼oz. 60 cts.**

Haageana Hybrids (Mexican Zinnia). A dwarf variety about 10 inches high, bearing small, double flowers in many attractive colors. **Pkt. 10 cts.; ¼oz. 50 cts.**

Fantasy, Mixed. A. The medium-sized, double flowers are composed of a mass of shaggy petals, and range in color from the brightest shades to the popular pastels. **Pkt. 15 cts.; ⅛oz. 25 cts.**

Fantasy, Star Dust and other Fantasy Varieties. See Novelties, page 3 .

Crown of Desert Gold. A. Large, double well-formed flowers on fine cutting stems. The color comprises both light and deep shades of gold, the edges of the petals being the light gold, and the rest of the petal much deeper. A beautiful flower in the garden or when cut. **Pkt. 15 cts.; ⅛oz. 60 cts.**

Linearis. Single, golden yellow flowers, with a delicate lemon-yellow stripe through each petal, while the center is dark brown, turning to a golden yellow. Extremely early blooming and continuing in great profusion until frost. Plants 10 inches high, with as much as 2 feet spread at the end of the season. Valuable wherever a dwarf-growing plant with brilliant coloring is desired. **Pkt. 15 cts.; ⅛oz. 45 cts.**

Gaillardia-flowered, Navajo, Finest Mixed. A new and attractive Zinnia. Flowers about 2 inches in diameter are carried on stems of medium length. Colors range through mellow tones of rose, pink, bronze, yellow, orange, lavender. Most of the flowers are two-toned, with a ring of deeper color toward the center of the flower. **Pkt. 10 cts.; ⅛oz. 30 cts.**

VERONICA (Speedwell)

A perfectly hardy plant that will thrive under almost any condition and produce very attractive blue flowers when most needed.

Prostrata. H.P. Bright blue flowers in May and June. Height, 3 to 4 inches. **Pkt. 15 cts.; 1/16oz. 45 cts.**

Spicata. H.P. Bright blue flowers in June and July. Height, 1½ feet. **Pkt. 10 cts.; ⅛oz. 55 cts.**

VIOLA (Tufted Pansies) H.P.

Dwarf, compact, free-blooming plants, unexcelled for rock-gardens.

Apricot. Rich apricot shade, blending into a deep orange center. **Pkt. 15 cts.**

Blue Gem (Jersey Gem). Deep violet-blue flowers from May until fall. **Pkt. 25 cts.; 1/32oz. $1.**

Marvel of all Colors. A mixture of all shades. **Pkt. 10 cts.; ⅛oz. 65 cts.**

Cornuta, Small-Flowered, Mixed. A mixture of all the finest sorts. **Pkt. 10 cts.; ⅛oz. 60 cts.**

Odorata semperflorens (Single Sweet Violet). **Pkt. 15 cts.; ⅛oz. 75 cts.**

WALLFLOWER (T.P.)

Beautiful, fragrant flowers in many bright Oriental colors. Blooms in May. Height, 2 feet.

Double, Mixed. Pkt. 15 cts.

G. & T. Co.'s Flower Seed Mixtures

Veronica

Grow Plants Without Soil!

PLANTET

Easy; simple to use. Dissolve in water and feed your plants all the vital elements. Special offer: Enough plantet for 35 gals. **75 cts.**

Beautify Your Garden with Hardy

Aquilegia

Coreopsis

Gypsophila

Verbena

Scabiosa

Sweet William

Any of These Varieties at

10¢ ea.

$1.00 per dozen

	Color	Height	Location	Blooms
***Alyssum** sax compactum	Yellow	1 ft.	Sun	Apr., May
Anthemis tinctoria	Yellow	2 ft.	Sun	July-Oct.
Coreopsis	Yellow	2 ft.	Sun, Shade	June-Oct.
Delphinium belladonna	Light blue	3 ft.	Sun	June, July
Delphinium bellamosum	Dark blue	3 ft.	Sun	June, July
Delphinium chinensis	Blue	3 ft.	Sun	June, July
Delphinium chinensis	White	3 ft.	Sun	June, July
***Dianthus** deltoides	Pink	6 in.	Sun	June, July
***Dianthus** caesius	Rose	4 in.	Sun	May, June
***Dianthus** plumarius	Mixed	1 ft.	Sun	May, June
English Ivy		Trailing	Sun, Shade	
Eupatorium (Hardy Ageratum)	Purple	15-18 in.	Sun, Shade	Aug., Sept.
Gaillardia Hybrids	Mixed	2 ft.	Sun	May-Oct.
Gypsophila paniculata	White	3 ft.	Sun	June, July
***Iberis** sempervirens	White	5 in.	Sun, Shade	April, May
Iris, Japanese	Mixed	2-3 ft.	Sun, Shade	June, July
Iris, Tall Bearded	Mixed	2-3 ft.	Sun, Shade	June, July
Lythrum roseum	Rose	3 ft.	Sun	July, Sept.
***Mazus** reptans	Lilac-blue	Trailing	Sun, Shade	April
Monarda (Bergamot)	Red	3 ft.	Sun	June, Aug.
Phlox, Mixed varieties	All colors	2-3 ft.	Sun	June-Oct.
***Phlox** subulata, Alba	White	2-3 in.	Sun	May
***Phlox** subulata, Atropurpurea	Carmine-red	3 in.	Sun	Apr., May
***Phlox** subulata, Fairy	Pale blue, purple eye	3 in.	Sun	Apr., May
***Phlox** subulata, Rosena	Rose-pink	3 in.	Sun	Apr., May
Poppy, Orientale	Orange-red	3 ft.	Sun	June, July
***Primula,** Veris Alba	White	6 in.	Sun, Shade	Apr., May
***Primula,** Veris Aurea	Yellow	6 in.	Sun, Shade	Apr., May
***primula,** Veris Munstead Strain	White, yellow and cream	6 in.	Sun, Shade	April, May
***Plumbago** larpentae	Deep blue	6-8 in.	Sun	Aug., Sept.
Pyrethrum mixed	Pink & white	2 ft.	Sun	May, June
Rudbeckia purpurea	Purple, brown cone	3 ft.	Sun	July, Oct.
Scabiosa japonica	Lavender-blue	2 ft.	Sun	June, Sept.
Stokesia cyanea	Light blue	18 in.	Sun	June-Oct.
Sweet William	Mixed	1½ ft.	Sun	June-Oct.
Statice Latifolia	Purple	2½ ft.	Sun	July, Aug.
Shasta Daisy	White	2 ft.	Sun	June, July
Thyme, Lemon-scented	Silver-leaved	5-6 in.	Sun	
***Tunica** saxifraga	Pink	6 in.	Sun, Shade	July, Sept.
Veronica, Royal Blue	Blue	18 in.	Sun	July
Veronica spicata	Blue	18 in.	Sun	June, July
***Violet** striata	Cream, purple striped	4-5 in.	Sun	Apr., May
***Violet** confederata	White & blue	4-5 in.	Sun	Apr., May

NOTE: We do not send less than a dozen of the above varieties by parcel post.

*Varieties marked with an asterisk (*) are suitable for rock-gardens.

Any of These Varieties at

20¢ ea.

$2.00 per dozen

	Color	Height	Location	Blooms
Achillea millefolium roseum	Rose	2 ft.	Sun	July-Oct
Achillea tomentosa	Yellow	1 ft.	Sun	June
Anchusa italica	Blue	4 ft.	Sun	May-Aug.
Anchusa myosotidiflora	Blue	1 ft.	Sun, Shade	May
Anemone hupehensis	Pink	1 ft.	Shade	Sept., Oct.
Anemone japonica	Rose & white	3 ft.	Shade	Sept., Oct.
Aquilegia alpina	Blue	6-10 in.	Sun, Shade	May, June
Aquilegia Mrs. Scott Elliott's Strain	Mixed	2 ft.	Sun, Shade	May, June
***Arabis** alpina	White	6 in.	Sun, Shade	April, May
***Armeria** laucheana	Rosy crimson	6 in.	Sun, Shade	Summer
Artemisia, Silver King	White leaves	3 ft.	Sun	June, July
***Aster** alpinus	Blue	6-8 in.	Sun	May, June
Aster Blue Gem	Blue	4 ft.	Sun	Sept., Oct.
***Aster** Mauve Cushion	Mauve	9 in.	Sun	Oct., Nov.
Aster Queen Mary	Blue	2½ ft.	Sun	Sept., Oct.
***Aubrietia** leichtlini	Purple	4-5 in.	Sun	April
***Bellis** perennis	Mixed	6 in.	Sun, Shade	April, May
Campanula, blue, white and pink		2 ft.	Sun	June
***Campanula** carpatica	Blue	8 in.	Sun	July, Aug
Centaurea montana	Blue	2 ft.	Sun	July-Sept.
Centaurea montana	Pink	2 ft.	Sun	July-Sept.
***Cheiranthus** allioni	Orange	1 ft.	Sun	June
Chelone lyoni	Red	2 ft.	Sun, Shade	Aug., Sept.
Delphinium belladonna	Light blue	3 ft.	Sun	June, July
Delphinium bellamosa	Dark blue	3 ft.	Sun	June, July
***Dianthus** allwoodi	Mixed	8-10 in.	Sun	May, June
Dianthus barbatus (Sweet William)	Newport Pink	1 ft.	Sun	May
Dianthus barbatus	Red and white	1 ft.	Sun	May
Digitalis	All Colors	4-5 ft.	Sun	June, July
Gaillardia, Portola Hybrids	Mixed	2 ft.	Sun	May, Oct.
Gaillardia, Grafted	Burgundy	8 in.	Sun	May, June
Gypsophila, repens	White	Trailing	Sun	June
Helenium autumnale	Yellow	4-5 ft.	Sun	Sept., Oct.
Hemerocallis thunbergi (Day Lily)	25 Varieties	3 ft.	Sun, Shade	July, Aug.

We do not send less than 6 of the above varieties by Parcel Post.

Choose from This Variety

We do not send Annual Plants by Parcel Post or Express

The following plants will be ready for delivery May 1. They are all grown in 3-inch pots, under our supervision, and are guaranteed true to color.

Ageratum, Dwarf Blue.
Alyssum, Dwarf White.
Amaranthus.
Annual Ivy.
Antirrhinum, Giant-flowering Dwarf and Tall in a wide array of colors.
Asters, California Giants Improved. All colors.
Calendula, Orange and Lemon Shades.
Cannas. All colors. $1.50 per doz.; $10 per 100.
Carnations, Marguerite, Mixed.
Coleus.
Cosmos, Early Single Mixed and Late Single Mixed.
Dahlias, Unwin's Dwarf.
Dusty Miller.
Gaillardia, Indian Chief.
Heliotrope.
Kochia (Mexican Firebush).
Lantanas, Mixed.
Lobelia, Dwarf Blue.
Marigold, Guinea Gold.

Perennial and Rock-Garden Plants

Physostegia Speciosa

Delphinium

Centaurea

Campanula

Aster

Phlox Drummondi

Any of These Varieties at

20¼ ¢ ea.

$2.00 per dozen

	Color	Height	Location	Blooms
Hesperis (Sweet Rocket)	Mixed	2-4 ft.	Sun	May
Heuchera sanguinea (Coral Bells)	Crimson	1 ft.	Sun	June-Sept.
Hibiscus (Clumps)	Red	5-6 ft.	Sun, Shade	July, Aug.
Hibiscus	Pink	5-6 ft.	Sun, Shade	July, Aug.
Hibiscus	White	5-6 ft.	Sun, Shade	July, Aug.
Hollyhock, Double, (Pots.)	Rose	5-6 ft.	Sun	July
Hollyhock (Pots.)	White	5-8 ft.	Sun	July
Hollyhock (Pots.)	Pink	5-8 ft.	Sun	July
Hollyhock (Pots.)	Yellow	5-8 ft.	Sun	July
***Lavandula** vera	Blue	1 ft.	Sun	July-Sept.
Lily-of-the-Valley (Clumps)	White	6-8 in.	Sun, Shade	May, June
***Linum** flavum (Flax)	Yellow	1 ft.	Sun	June, July
***Linum** Perenne	Blue	18 in.	Sun	May-Sept
Lobelia cardinalis	Red	2-3 ft.	Shade	July
***Lychnis** alpina	Rose	6 in.	Sun	April
***Matricaria** (Feverfew)	Yellow	10-12 in.	Sun	June-Aug.
***Myosotis** palustris (Ever-blooming forget-me-not)	Blue	8 in.	Shade	Summer
***Phlox** amoena	Pink	4-6 in.	Sun	April, May
***Phlox** divaricata	Blue	10 in.	Sun, Shade	May
Phlox decussata	See page 24 for named varieties			
Physostegia virginica	Pink	3 ft.	Sun, Shade	July, Aug.
Physostegia, vivid	Vivid pink	3 ft.	Sun, Shade	July, Aug.
Platycodon mariesi	Blue	1 ft.	Sun	July-Oct.
***Primula,** All colors, mixed		6 in.	Sun, Shade	April, May
***Primula**	Yellow	6 in.	Sun, Shade	April, May
Salvia pitcheri	Blue	3 ft.	Sun	Sept.
Scabiosa caucasica	Lilac-blue	2 ft.	Sun	June-Aug.
***Silene** orientalis	Rose	6 in.	Sun, Shade	June-Sept.
Tritoma Hybrids (Red-Hot Poker)	Mixed	2 ft.	Sun	Aug., Sept.
Trollius		18-24 in.	Shade	June
Valeriana	Crimson	24-30 in.	Sun	June-Sept.
Verbena venosa	Purple	1 ft.	Sun, Shade	June-Sept.
***Viola**	All colors	3-5 in.	Sun	April-Oct.

We do not send less than 6 of the above varieties by Parcel Post.

Any of These Varieties at

35¼ ¢ ea.

3 for $1.00; 12 for $3.50

	Color	Height	Location	Blooms
***Arabis,** Flora pleno	Pink	5-6 in.	Shade	Apr.
***Arabis,** Rosabella	Pink	5-6 in.	Shade	Apr.
Aquilegia, Helene	Blue	5-6 in.	Shade	June
***Aster,** King George	Blue	8-10 in.	Sun	Sept-Oct.
***Aster,** Lilac Time	Lilac	8-10 in.	Sun	Sept-Oct.
Aster, Lady Henry Maddox	Pink	8-10 in.	Sun	Sept-Oct.
***Campanula,** garganica	Blue	4 in.	Sun	June
***Campanula,** muralis	Blue	4 in.	Sun	June-July
***Campanula,** rotundifolia	Blue	1 ft.	Sun	June-Oct.
Delphinium, Blackmore and Langdon New Hybrids.		5-8 ft.	Sun	June-Oct.
Dicentra, spectabilis		18 in.	Sun, Shade	June
***Dianthus,** Loveliness	Pink	6-8 in.	Sun	All summer
***Dianthus,** Highland Queen	Pink	6-8 in.	Sun, Shade	Spring & fal
Gaillardia, Sun God	Yellow	15 in.	Sun	All Summer
Gypsophila, Bristol Fairy	White	2 ft.	Sun	June-July
Heuchera, Edgar Hall	Salmon	12 in.	Sun, Shade	June
Hemerocallis, New Hybrids.		2 ft.	Sun, Shade	Apr.-Sept.
***Iberis,** Snowflake	White	6 in.	Sun	May
Lupins, Russell's	Mixed	3½ ft.	Part shade	May-June
***Phlox,** sub. Appleblossom	Pink	1-2 in.	Sun	Apr-May
***Phlox,** sub. Blue Hills	Blue	3-4 in.	Sun	April, May and Oct.
***Phlox,** sub. June Jane	White	3-4 in.	Sun	April-June
***Phlox,** sub. Moerhemii	Rose	3-4 in.	Sun	April-May
Poppy, Orientale	Crimson-Scarlet	3 ft.	Sun	May, June
Poppy, Orientale Beauty of Livermore	Blood red, black blotch	3 ft.	Sun	May, June
Poppy, Orientale Mrs. Perry	Salmon, dark center	3 ft.	Sun	May, June
Poppy, Orientale Perry's White	White, crimson blotch	3 ft.	Sun	May, June
***Primula,** cashmeriana	Blue	10 in.	Sun, Shade	Mar., May
Salvia, greggi	Pink	2 ft.	Sun	July-Oct.
Shasta Daisy, White Swan (Double)		12 in.	Sun	Summer-fall
Tritoma, Tower of Gold	Yellow	2 ft.	Sun	June
***Verbena,** Attraction	Rose	Trailing	Sun, Shade	All summer
***Verbena,** Brilliant	Scarlet	Trailing	Sun, Shade	All summer
Veronica, longifolia subsessilis	Deep blue	18 in.	Sun, Shade	All summer

NOTE: We do not send less than 3 of the above varieties by Parcel Post.

of Lovely Annual Plants

Most of them will be in bud or bloom when you receive them, and will produce a good display in a very short time.

Except where otherwise noted, Annual Plants are 10 cts. each; $1 per doz.

Marigold, Little Brownie.
Moon Vine, Heavenly Blue.
Moon Vine, White.
Nasturtium, New Double Gleam Hybrids.
Nemesia, Blue Gem.
Nicotiana, White and Red.
Pansies.
Peppermint.
Petunia, Rosy Morn.
Petunia, Dwarf Giants or California, Mixed.
Petunia, Balcony, Blue, Rose, Red, White.
Philodendron. 15 cts. and 40 cts. each.
Phlox, Dwarf Mixed.
Pinks.
Salpiglossis, Mixed.
Salvia, Bonfire (Scarlet Sage).
Stocks, Mixed.
Verbena, Mixed.
Zinnia, Fantasy.
Zinnia, Dahlia-flowing. All colors.
Zinnia, Lilliput. All colors.

PLANTS BY MAIL

If plants are to be shipped by Parcel Post, add to your remittance 10% of the catalog price to cover postage and special packing. In lots of 25 or more, plants will be sent Express collect. When sent by Mail or Express, plants will be shipped bare root, wrapped in moss.

See Page 53 for Complete Line of Plant Labels and Plant Stakes

Gladiolus

One of the most popular of all summer-flowering bulbs. Plant outdoors as soon as frost is out of the ground, 4 inches deep and at least 6 inches apart.

Varieties marked with asterisk (*) are good for greenhouse forcing. The letters following the names indicate their time of blooming: E., Early; M., Midseason; L., Late.

GLADIOLUS BY MAIL: Add to your remittance 10 per cent of Catalog price to cover postage and packing. Minimum charge, 10 cts.

PINK AND SALMON SHADES

America. M. Splendid large clear pink flowers on a strong spike. **4 cts. each; 10 for 35 cts.; $3 per 100.**

Bagdad. L. Very large; smoky old-rose with lighter throat. **6 cts. each; 55 cts. for 10; $4.50 per 100.**

***Betty Nuthall.** L. A warm, bright coral, with pale orange throat and a light feathering of carmine. **5 cts. each; 40 cts. for 10; $3 per 100.**

E. J. Shaylor. E. Beautiful deep rose-pink with well-ruffled edges. **5 cts. each; 40 cts. for 10; $3 per 100.**

Giant Nymph. M. Light rose-pink, creamy yellow throat. **5 cts. each; 40 cts. for 10; $3 per 100.**

***Los Angeles.** Bright pink with carmine blotch in throat. **5 cts. each; 45 cts. for 10; $3 per 100.**

Mrs. Calvin Coolidge. E. Salmon pink. **5 cts. each; 45 cts. for 10; $4 per 100.**

***Mrs. Frank Pendleton.** M. Flushed salmon-pink, carmine blotches in throat. **5 cts. each; 45 cts. for 10; $4 per 100.**

Mrs. Leon Douglas. L. Begonia-rose, striped with flame-scarlet, lower petal lemon, speckled ruby. **5 cts. each; 45 cts. for 10; $4 per 100.**

Mrs. P. W. Sisson. M. Clear light pink, large, heavy-textured and ruffled flowers. **4 cts. each; 35 cts. for 10; $3 per 100.**

***Picardy.** M. Soft shrimp-pink, deeper toward the throat. **6 cts. each; 55 cts. for 10; $6 per 100.**

Red Copper. M. Smoky Salmon. **8 cts. each; 75 cts. for 10; $6 per 100.**

Rose Ash. L. Old-rose tones. **6 cts. each; 55 cts. for 10; $4.50 per 100.**

RED AND SCARLET SHADES

Commander Koehl. L. Brilliant scarlet-blood-red; large flowers, strong stems. **7 cts. each; 60 cts. for 10; $5 per 100.**

Crimson Glow. M. Crimson-scarlet. **5 cts. each; 45 cts. for 10; $4 per 100.**

***Dr. F. E. Bennett.** M. Red, suffused scarlet. **5 cts. each; 45 cts. for 10; $4 per 100.**

Pfitzer's Triumph. Orange-red, deeper in the throat. **6 cts. each; 55 cts. for 10; $4.50 per 100.**

Red Phipps. L. Magnificent tall spikes set with large light red blooms. **7 cts. each; 60 cts. for 10; $5 per 100.**

Scarlet Wonder. L. Large, rich red. **5 cts. each; 45 cts. for 10; $4 per 100.**

Splendorra. M. Wine black. **5 cts. each; 45 cts. for 10; $4 per 100.**

***Virginia.** E. Scarlet, deeper in throat. **5 cts. each; 45 cts. for 10; $4 per 100.**

Special Collection of Gladiolus

Five each of the following ten varieties (value $2.75), for **$1.95.**

Butter Boy	**Heavenly Blue**
Carmen Sylva	**Golden Frills**
Charles Dickens	**Mrs. P. W. Sisson**
Crimson Glow	**Picardy**
E. J. Shaylor	**Virginia**

All varieties individually labeled

Lily

BLUE AND LAVENDER SHADES

***Charles Dickens.** L. Deep violet-purple. **6 cts. each; 55 cts. for 10; $4.50 per 100.**

Heavenly Blue. M. Clear light blue. **8 cts. each; 75 cts. for 10; $6 per 100.**

***Minuet.** L. Clear orchid-lavender. **7 cts. each; 60 cts. for 10; $5 per 100.**

Mother Machree. M. Grayish lavender overlaid with salmon-pink toward the edges. Large flowers. **8 cts. each; 75 cts. for 10; $6 per 100.**

Paul Pfitzer. M. Rich, velvety purple spikes, with many open. Tall grower. **7 cts. each; 60 cts. for 10; $5 per 100.**

Pelegrina. M. Deep violet-blue, long, well-formed flower spikes, several open and all buds showing their deep velvety color. **8 cts. each; 70 cts. for 10; $6.50 per 100.**

Veilchenblau. M. Magnificent dark blue. **6 cts. each; 55 cts. for 10; $4.50 per 100.**

Viola Gem. M. Soft purple. **4 cts. each; 35 cts. for 10; $3 per 100.**

YELLOW SHADES

Butter Boy. E. Buttercup-yellow. **6 cts. each; 55 cts. for 10; $4.50 per 100.**

Golden Frills. Daffodil yellow, with ruffled edges. **4 cts. each; 35 cts. for 10; $3 per 100.**

***Orange Queen.** E. Apricot, shading to a brilliant orange. **4 cts. each; 35 cts. for 10; $3 per 100.**

Yellow Wonder. E. Clear yellow. Tall; free bloomer. **6 cts. each; 55 cts. for 10; $4.50 per 100.**

WHITE SHADES

Carmen Sylva. M. The best pure white. **6 cts. each; 55 cts. for 10; $4.50 per 100.**

Maid of Orleans. M. Large white. **9 cts. each; 80 cts. for 10; $7 per 100.**

Mammoth White. M. Florets often measuring 6 inches across. Pure white. **9 cts. each; 80 cts. for 10; $7 per 100.**

G. & T. Co.'s Exhibition Mixture. In a wide range of colors. **4 cts. each; 35 cts. for 10; 25 for 75 cts; $3 per 100.**

HARDY GARDEN LILIES

Hardy Lily Collection

6 bulbs (2 each of Henryi, Regale, and Speciosum magnificum) for $1.25

Lilies by Mail

Add 10% of your remittance to cover postage and special packing. Minimum charge 10 cts.

Auratum (Golden-Rayed Lily). Pure white, spotted crimson; very fragrant. Cover 8 inches deep. Blooms in July and August. Height, 3 to 5 feet. **9 to 11-in. circum., 35 cts. each; $3 for 10. 11 to 13-in. circum., 45 cts. each; $4 for 10.**

Henryi. Rich apricot-yellow with brown spots. Cover bulbs 8 inches deep. Blooms in August and September. Height, 8 feet. **35 cts. each; $3 for 10.**

L. candidum (Madonna Lily). Still the loveliest of all white Lilies. Plant as early as possible in the autumn, covering the crowns with 2 inches of soil, and do not disturb. First-size bulbs, **10 cts. each; 90 cts. for 10.** Jumbo bulbs, **15 cts. each; $1.30 for 10.**

Philippinense formosanum. Easy to grow. Foliage long and grassy. Flowers pure white, resembling an Easter Lily; very fragrant. Cover bulbs 6 inches deep. Height, 1½ to 2 feet. **20 cts. each; $1.80 for 10.**

Regale (Royal Lily). White, suffused pink, yellow at the center; very fragrant. Plant 7 inches deep. Blooms in July. Height, 6 to 8 feet. **7 to 8-in. circum., 25 cts. each; $2 for 10. 8 to 9-in. circum., 30 cts. each; $2.80 for 10.**

Speciosum album. Pure white Lilies. Plant 8 inches deep. Blooms in July and August. Height, 3 to 5 feet. **8 to 9-in. circum., 40 cts. each; $3.50 for 10.**

Speciosum magnificum. White, spotted and bordered with ruby-carmine. Plant 9 inches deep. Blooms in August and September. Height, 3 to 5 feet. **9 to 11-in. circum., 30 cts. each; $3 for 10. 11 to 13-in. circum., 45 cts. each; $4 for 10.**

Speciosum rubrum. Large white flowers suffused rose-pink, spotted crimson. Plant 9 inches deep. Blooms in July and August. Height, 3 to 5 feet. **9 to 11-in. circum., 35 cts. each; $3 for 10. 11 to 13-in. circum., 45 cts. each; $4 for 10.**

Superbum (Turk's-Cap Lily). Immense, pyramidal cluster of brilliant orange-red, turban-shaped flowers, yellowish inside and spotted brown. Blooms in August. Plant 8 inches deep in moist, well-drained soil. Height, 3 to 6 feet. **30 cts. each; $3 for 10.**

Tigrinum splendens (Tiger Lily). Bright orange-red, spotted black. Plant 10 inches deep. Cover bulbs 8 inches deep. Blooms in August and September. Height, 4 to 5 feet. **25 cts. each; $2 for 10.**

SPECIAL OFFER
of
HARDY GARDEN LILIES
for Spring and Fall Planting
TEN FINE LILIES

2—Lilium auratum
2—L. speciosum album
3—L. speciosum rubrum
3—L. superbum

10 BULBS (value $3.00) for $1.95

Griffith & Turner's Choice Dahlias

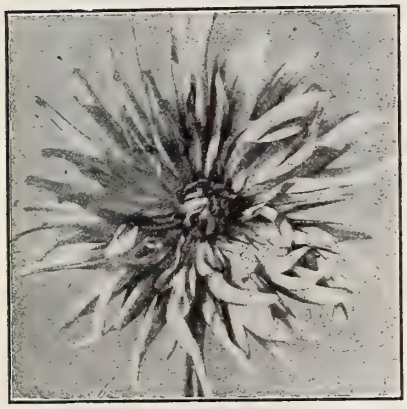
Bulbs by mail are not sent prepaid. To cover postage and packing, add to your remittance 10 per cent of the catalog price. Minimum charge, 10 cts.

NOTE. Varieties marked with an asterisk (*) are also available in plants on or about May 25 at the price of the root

Our list of Dahlias now includes many of the higher-priced varieties at more attractive prices. In order to describe Dahlias properly as to the type of flower, the American Dahlia Society has adopted a classification—the key of which we give you—showing the class to which the variety belongs.

F.D., Formal Decorative **Semi-C, Semi-Cactus** **C., Cactus** **I.D., Informal Decorative** **S.C. Straight Cactus** **M. Miniature**

Tubers available from March 15 to June 1.



Dahlia

***Ambassador.** (S.C.) Soft yellow, shading to salmon-pink. **50 cts. each; $4.50 for 10.**

Ballego's Surprise. (I.C.) *New.* Pure white. One of the best. **$1 each.**

Blue River. (F.D.) *New.* Large lavender. Excellent for exhibition. **$1.45 ea.**

Dulcinea. (S.C.) *New.* A new soft crimson red with long, pointed petals. **$1 each.**

California Beauty. (C.) Pure copper. **50 cts. each; $4.50 for 10.**

***Graf Zeppelin.** (F.D.) Large pure white flowers on long stems. **50 cts. each; $4.50 for 10.**

***Jane Cowl.** (I.D.) Giant buff and old-gold blooms, blended darker toward center. **25 cts. each; $2 for 10.**

***Jersey's Beacon.** (F.D.) Large, Chinese-scarlet blooms, pale on the reverse, giving a two-tone effect. **25 cts. ea.; $2 for 10.**

***Jersey's Beauty.** (F.D.) Finest true pink. Beautiful large flowers of perfect form. **25 cts. each; $2 for 10.**

Jersey's Dainty. (I.C.) *New.* Beautiful white. **75 cts. each.**

Jersey's Triumph. (F.D.) Copper suffused salmon. **50 cts. ea.; $4.50 for 10.**

Jessica Dragonette. (S.C.) Apricot and mauve. **$1.50 each.**

***Kathleen Norris.** (I.D.) Massive, rose-pink blooms. **50 cts. each; $4.50 for 10.**

Kay Francis. (S.C.) Light yellow. Very vigorous grower. **75 cts. each.**

***Kemp's Violet Wonder.** (I.D.) Violet with undertone of royal purple. **50 cts. each; $4.50 for 10.**

***Kentucky.** (F.D.) Brilliant salmon-orange, shading to orange-yellow at base of petals. **35 cts. each; $3 for 10.**

King Midas. (I.D.) An enormous, clear yellow; form perfect; high, full center. Plant vigorous and extremely free blooming, good stems. **50 cts. ea.; $4.50 for 10.**

***Lord of Autumn.** (I.D.) Lemon-yellow. **$1 each.**

***Margrace.** (I.D.) *New.* Scarlet with tan reverse. **$1.95 each.**

Maryland's Orange. (S.C.) A brilliant combination of red and orange, orange predominating. **50 cts. each; $4.50 for 10.**

Milton J. Cross. (I.D.) Beautiful apricot-peach, shading to a light orange buff. Flowers often 12 inches across and 8 inches in depth. **$1 each.**

***Mrs. George Le Boutillier.** (I.D.) Carmine-red. **$1.50 each.**

New Glory. (S.C.) Variegated exblood-red and white. **75 cts. each; $7 for 10.**

***Omar Khayyam.** (F.D.) Chinese-red petals, shading to bright orange and tipped lighter. **50 cts. each; $4.50 for 10.**

Pink Spiral. (I.C.) Peach-pink with yellow shadings. **75 cts. each.**

Phantom. (F.D.) Long broad petals of deep violet-purple, long white tips. **$1 ea.**

***Satan.** (S.C.) Immense, flaming red Cactus with great, horn-like petals. **75 cts. each; $7 for 10.**

Son of Satan. (I.C.) Deep scarlet. Very large. **$1.95 each.**

Sultan of Hillcrest. (F.D.) One of the largest grown gold and buff. **$1 each.**

The Commodore. (I.D.) Brilliant lemon-yellow. Petals long and broad. Blooms often attaining 12 inches across. **50 cts. each; $4.50 for 10.**

The World. (F.D.) Rich deep rosy magenta, overlaid violet, with silver shadings on edges of petals. **45 cts. each; $4 for 10.**

Thomas A. Edison. (F.D.) Large, royal purple blooms. **50 cts. ea.; $4.50 for 10.**

***White Wonder.** (I.D.) White. **75 cts. each; $7 for 10.**

G. & T. Co.'s Dahlia Collection

One each of the following varieties (value **$1.75**), for **$1.00.**

Jersey's Beacon **The Commodore**
Jersey's Beauty **Jersey's Dainty**

POMPON DAHLIAS

Atom. Fiery red.
Bob-White. Pure white.
Dee Dee. Pale lilac.
Honey. Primrose-yellow with faint suffusion of red on edges of petals.
Little David. Russet-orange.
Takas Purple. Purple.
Yellow Gem. Canary-yellow.

Any of Above Pompons, 30 cts. each; $2.50 for 10

SINGLE DAHLIAS

Autumn Century. Madder-red and yellow.
Doris. Carmine, tipped white.
Garnet Poinsettia. Garnet.
Purity. White.
Tango. Yellow and scarlet-orange.

Any of above Single Dahlias, 30 cts. each; $2.50 for 10

MINIATURE DAHLIAS

Dubonnet. (M.S.C.) Oxblood-red. **$1.25 each.**

Little Jewel. (M.F.D.) Peach-blossom-pink. **35 cts. each.**

Orange. (M.D.) **$1.00 each.**

DAHLIAS TO COLOR

Large varieties, named sorts but labeled only as to color. Large tubers furnished in the following colors: **Red, Pink, Yellow, Lavender,** and **White. 15 cts. ea.; $1.25 for 10.**

Fine Canna Roots

Available during March and April

Ambassador. Brilliant rich cherry-red. Rich bronze foliage and stalk. Height, 4 feet. **10 cts. each; 75 cts. for 10; $6 per 100.**

Apricot. Buff-yellow base, with salmon-pink. Green foliage. Height, 4 feet. **7 cts. each; 60 cts. for 10; $4.50 per 100.**

Eureka. By far the very best white Canna ever introduced. Large, showy trusses. Height, 4½ feet. **10 cts. each; 75 cts. for 10; $6 per 100.**

Golden Gate. Opens a pure gold, but soon becomes richly rayed with orange-crimson and apricot centering to the throat. Green foliage. Height, 4 feet. **5 cts. each; 45 cts. for 10; $3.50 per 100.**

Hungaria. Rich soft pink flowers. Green foliage. Height, 4 feet. **5 cts. each; 45 cts. for 10; $3.50 per 100.**

King Humbert. Orange-scarlet. Bronze foliage. Height, 5 feet. **8 cts. each; 65 cts. for 10; $5 per 100.**

Yellow King Humbert. Yellow flowers blotched red. Green foliage. Height, 4 feet. **5 cts. each; 45 cts. for 10; $4 per 100.**

Mme. Crozy. Brilliant vermilion-scarlet. Green foliage. Height, 3½ feet. **8 cts. each; 65 cts. for 10; $5 per 100.**

Mrs. Alfred F. Conard. Salmon-pink. Green foliage. Height, 4 feet. **8 cts. each; 70 cts. for 10; $5.50 per 100.**

Richard Wallace. Canary-yellow. Green foliage. Height, 4 feet. **5 cts. each; 65 cts. for 10; $5 per 100.**

Rosea Gigantea. Rose-pink. Green foliage. Height, 3½ feet. **8 cts. each; 70 cts. for 10; $5.50 per 100.**

The President. Rich glowing scarlet with immense flowers 7 inches across. Green foliage. Height, 4 feet. **8 cts. each; 65 cts. for 10; $5 per 100.**

Wyoming. Immense spikes of orange flowers. Bronze foliage. Height, 5 feet. **8 cts. each; 65 cts. for 10; $5.00 per 100.**

See Annual Plants, page 19, for prices on Cannas in 3-inch pots

Other Summer-Flowering Bulbs and Roots

Bulbs by Mail: Add to your remittance 10 per cent of catalog price to cover postage and packing. Minimum charge, 10 cts.
WE FURNISH ALL BULBS, 25 OF A VARIETY AT THE 100 RATE

Begonia

SEE INSIDE BACK COVER FOR SPECIAL BEGONIA OFFER

BEGONIAS (Wax Plants)

Tuberous-rooted

The most handsome of all the summer-flowering tuberous-rooted plants. Start outdoors about May 1, in light, well-drained soil. Bloom from June until frost. Also useful for planting in porch- and window-boxes, shady borders or beds.

Double-flowering. Crimson, Orange, Pink, Salmon, Rose, Yellow, and White.

Single-flowering. Same colors as in the double-flowering varieties.

Any of above varieties, 20 cts. each; $1.80 for 10

Camellia-flowered. The edge of each petal is exquisitely frilled. The fully double flowers resemble Camellias.

Mixed Colors. 25 cts. each; $2.25 for 10.

Trailing Tuberous-rooted Begonias

Mixed Colors. These beautiful Begonias are superb for growing in rockeries, also for hanging-baskets, porch- and window-boxes. **25 cts. each; $2.25 for 10.**

CALADIUM ESCULENTUM

Elephant's Ear

One of the finest of the ornamental foliage plants, growing 6 to 10 feet high. **First size, 7 to 9-in. circum., 5 cts. each; 45 cts. for 10. Second size, 9 to 11-in. circum., 10 cts. each; 90 cts. for 10. Mammoth, 11 to 12-in. circum., 15 cts. each; $1.20 for 10.**

Fancy-leaved Caladiums

Showy foliage with red, green, and white variegated leaves. Plant outdoors in shady places after May 15. Also an attractive pot-plant. **25 cts. each; $2.25 for 10.**

TIGRIDIA (Tiger Flower)

Hybrids. Richly colored flowers of fantastic cupped form, curiously spotted in the centers. In bloom all summer, and require the same culture as gladiolus. **Mixed, 15 cts.; $1.30 for 10.**

GLOXINIAS

Beautiful summer-flowering plant producing large, tubular flowers of gorgeous colorings. **35 cts. each; $3 for 10.**

HYACINTHUS CANDICANS

Summer-Flowering Hyacinths

A midsummer-flowering plant, producing, in profusion, large, bell-shaped, creamy white flowers, clustered on spikes 2 to 3 feet long. Plant bulbs about 6 inches deep, in a sunny location. Produces a succession of spikes for 2 or 3 months. Not hardy. **Large bulbs, 20 cts. each; $1.80 for 10.**

ISMENE CALATHINA

Peruvian Daffodil

Showy summer-flowering bulb with large, fragrant Amaryllis-like white blooms with apple-green markings in the throat. If bulbs are planted out the middle of May, they will commence flowering in July. Take up in October and store warm and dry during the winter. **20 cts. each; $1.80 for 10.**

CINNAMON VINE (H.P.)

Rapid-growing summer climber with bright, glossy foliage. Spikes of white flowers, deliciously cinnamon-scented. Fine for arbors and trellises. **Large roots, 10 cts. each; 90 cts. for 10.**

TUBEROSES

Double Pearl. One of the most fragrant and popular summer-flowering bulbs. Pure white. **4 cts. each; 35 cts. for 10; $3 per 100.**

MONTBRETIAS

One of the brightest of our summer-flowering bulbs. Plant outside during April and May, 4 inches apart. Protect over the winter with a heavy mulch. Height, 3 to 4 feet.

Croesus. Apricot-yellow. **15 cts. each; $1.30 for 10.**

Fire King. Brilliant scarlet. **10 cts. each; 90 cts. for 10.**

George Davison. Pure golden yellow. **15 cts. each; $1.30 for 10.**

King Edmund. Orange-yellow. **10 cts. each; 90 cts. for 10.**

Iris

Peony

MADEIRA VINE

Climbing Mignonette

A popular vine that covers a large space in a short time. Heart-shaped leaves of a light green and feathery flowers with delightful fragrance. **Extra-large, selected, 10 cts. each; 90 cts. for 10.**

JAPANESE IRIS

Iris kaempferi

Beautiful flowers on long, strong stems. Fine for cut-flowers. Blooms about the middle of June, and continues for about six weeks.

Field-grown

Alpha. White, lavender uppers.
Blue Boy. Deep blue.
Charlton Childs. White and plum.
Dominator. Deep purple.
Orchid. Deep lavender-orchid.
Pyramid. Lavender, veined white.
Purple and Gold. Deep purple.
Venus. Pure white.

Any of above varieties and many others, 35 cts. each; $3 for 10

SPECIAL COLLECTION: 10 Japanese Iris, all different, not labeled, $2

TALL BEARDED IRIS

Alcazar. Dark blue-violet.
Bountiful. Lavender.
Frill. Lavender.
Jeanne d'Arc. White and blue.
Loreley. Blue, bordered yellow.
Mary Garden. White and mauve.
Midnight. Deep purple.
President Lincoln. Deep bronze.
Prosper Laugier. Maroon-bronze.
Queen Alexandra. Lilac and bronze.
Queen of May. Near pink.
Sherwin-Wright. Yellow.
White Knight. White.

Any of above varieties along with many others, 25 cts. each; $2.25 for 10

PEONIES

Armandine Mechin. Dark red.
Edulis Superba. Bright clear mauve-pink with silvery reflex. Very early.
Festiva Maxima. Clear white. Early-flowering rose type.

Strong roots, 40 cts. each; $3.50 for 10
Whites and Pinks to Color $2.59; $2.00 for 10

Hardy Flowering Shrubs

Kolkwitzia, Beauty Bush

ABELIA grandiflora. One of the finest evergreen shrubs, blooming continuously from early summer until frost. Flowers white, tinted lilac. Height, 3 to 4 feet. **1½ to 2-ft. plants, 75 cts. each.**

ALMOND, Flowering (*Prunus*). A lovely shrub growing 5 to 6 feet high, with fragrant pink flowers in May. **2 to 3-ft. plants, 75 cts. each.**

ALTHÆA (Rose of Sharon). A valuable hardy shrub which blooms from August to October. We offer in four colors, **Red, Pink, Purple, White.** Height, 10 to 12 feet. **2 to 3-ft. plants, 35 cts. each.**

BUDDLEIA (Butterfly Shrub). A very desirable shrub beginning to bloom in July and continuing until frost. Violet-mauve flowers in racemes. Height, 5 to 6 feet. **2 to 3-ft. plants, 50 cts. each.**

CALYCANTHUS (Sweet Shrub). An old favorite with most unusual chocolate-colored flowers in May. **2 to 3-ft. plants, 50 cts. each.**

CRAPE MYRTLE. One of the most beautiful shrubs grown, and a particular favorite in the South where it is hardy. Beautiful blooms in profusion. Height, 6 to 25 feet, Pink, Purple, or Red. **2 to 3-ft. plants, 75 cts. each.**

CYDONIA japonica (Japanese Quince). Showy shrubs with a profusion of scarlet flowers in April. Height, 4 to 6 feet. **1½ to 2-ft. plants, 50 cts. each.**

DEUTZIA gracilis. A beautiful dwarf shrub covered with pure white flowers in April and May. Height, 2 to 3 feet. **15 to 18-in. plants, 50 cts. each.**

D., Pride of Rochester. A tall-growing variety with double white flowers tinged pink. Blooms in May. Height, 8 to 10 feet. **2 to 3-ft. plants, 40 cts. each.**

DOGWOOD, Red- or Pink-flowering. Small trees that are covered with a wealth of bloom in spring. **2 to 3-ft. plants, $1.75 each.** White. **2 to 3-ft. plants, 95 cts. each.**

FORSYTHIA suspensa (Weeping Forsythia). A graceful, drooping shrub with golden yellow flowers in April. Height, 4 to 6 feet. **2 to 3-ft. plants, 40 cts. each.**

HYDRANGEA, Snowhill. A very hardy shrub with snow-white flowers from July until frost. Height, 4 to 5 feet. **1½ to 2-ft. plants, 65 cts. each.**

Hydrangea, Peegee. Best-known summer-flowering shrub, with huge heads of white flowers which turn to pink. Blooms from July until frost. **2 to 3-ft. plants, 65 cts. each.**

H., Blue. Strong plants. **$1.25 each.**

JAPANESE FLOWERING CHERRIES. In the spring the Japanese Cherries are one of the most beautiful sights in Washington.

Double Pink. 4 to 5-ft. plants, $1.75 each.

Weeping. 1-yr. heads, 5 to 6-ft. stems. Pink. **$3 each.**

KERRIA (Double Globeflower). Golden yellow flowers in bloom from June until October. Height, 4 to 5 feet. **1½ to 2-ft. plants, 85 cts. each.**

KOLKWITZIA (Beauty Bush). A beautiful shrub from China, with masses of delicate pink flowers in May and June. Height, 5 to 6 feet. **2 to 3-ft. plants, 85 cts. each.**

MAGNOLIA-grandiflora. The most beautiful of all Magnolias, and America's only Tulip Evergreen Species. Leaves similiar to those of laurel; a clear glossy green on top and a rusty velvet brown beneath. 6 to 8 inches in length and oval to oblong in shape. The blossoms are creamy white, giving off a lemon-scented perfume, and when fully opened attain a diameter of 6 inches or more. Bushy plants. 3 to 4 feet. **$6.50.**

MAGNOLIA SOULANGEANA Nigra. A late-flowering variety with large leaves and dark purple flowers. Bushy plants. 3 to 4 feet. **$4.75 each.**

PHILADELPHUS, Virginal (Mock Orange). Pure white flowers 2 inches in diameter completely cover the branches during May and June. Height, 3 to 4 feet. **1½ to 2-ft. plants, 50 cts. each.**

RED-LEAVED JAPANESE MAPLE. Very popular, medium-sized shrub or small tree. Beautiful red foliage adds color and variety during spring and early summer. **1½ to 2-ft. plants (grafted), $1.75 each.**

SPIRÆA, Anthony Waterer. A dwarf shrub with crimson flowers from May to October. Height, 2 to 3 feet. **15 to 18-in. plants, 35 cts. each.**

S. vanhouttei. An excellent shrub with white flowers in May. Height, 6 to 8 feet. **2 to 3-ft. plants, 25 cts. each.**

KOREAN Spirea. 1½ to 2 feet large round clusters of snow white flowers about ten weeks later than Spirea Van Houttei.

SYMPHORICARPOS (Snowberry). A dwarf shrub with small pink blooms and large white berries that hang on the plants during the greater part of the winter. Height, 5 to 6 feet. **2 to 3-ft. plants, 35 cts. each.**

SYRINGA vulgaris (Common Purple Lilac). **2 to 3-ft. plants, 45 cts. each.**

S. vulgaris alba. White. **2 to 3-ft. plants, 60 cts. each.**

S., Marie LeGraye. White. **1½ to 2-ft. plants, 75 cts. each.**

S., Michel Buchner. Pale pink; double. **1½ to 2-ft. plants, 75 cts. each.**

S., President Grevy. Violet-blue to soft pink; double. **1½ to 2-ft. plants, 75 cts. each.**

VIBURNUM plicatum (Japanese Snowball). Beautiful balls of pure white flowers in May and June. Height, 6 to 8 feet. **2 to 3-ft. plants, 75 cts. each.**

VIBURNUM CARLESI (Fragrant Snowball). A broad, round compact shrub. In April and May it bears exquisite clusters of clove-scented flowers which are light, rosy-pink in bud and white when expanded. **2 to 2½-ft. plants, $1.75 each.**

WEIGELA, Eva Rathke. One of the most popular shrubs with red flowers all summer. Height, 4 to 5 feet. **2 to 3-ft. plants, 60 cts. each.**

W. rosea. A little taller growing than Eva Rathke, and has rosy pink flowers. Height, 6 to 8 feet. **2 to 3-ft. plants, 45 cts. each.**

Evergreen Flowering Shrubs

AZALEAS.

Amœna. Rosy purple flowers.

Each		Each	
10 to 12 in.	**$1 10**	**15 to 18 in.**	**$2 25**

Hinodegiri. Dense clusters of fiery red flowers.

Each		Each	
8 to 10 in.	**$1 00**	**12 to 15 in.**	**$2 00**

Yayegiri. Brilliant salmon red.

Each		Each	
8 to 10 in.	**$1 00**	**12 to 15 in.**	**$2 00**

DAPHNE cneorum (Garland Flower). A dwarf, spreading shrub, producing beautiful bright pink, sweet-scented flowers early in May. Valuable for rockeries or borders. **6 to 9 in., 80 cts.; 9 to 12 in., $1.10.**

RHODODENDRON HYBRIDS.

Mrs. C. S. Sargent. Beautiful dark pink. Fine foliage.

Dr. H. C. Dresselhuys. Brilliant aniline-red flowers.

Album grandiflorum. Well-known white variety.

Above varieties in 15 to 18-in. plants, $3.50 each.

Mixed Named Varieties. 15 to 18 in., $3.00 each.

HEDGE PLANTS

Barberry, Boxwood, Privet

BARBERRY, New Red-leaved. Same as the Green-leaved Barberry, except that the foliage is rich, lustrous bronze-red which becomes more vivid as the season advances, changing to brilliant orange, scarlet, and red shades in the fall. **15 to 18-in. plants, 30 cts. each; $2.75 for 10; $25 per 100.**

B. Thunbergi (Japanese Barberry). **3-yr. plants, standard grading, 9 to 12-in. plants, 15 cts. each; $1.20 for 10; $10 per 100. 15 to 18-in. plants, 20 cts. each; $1.80 for 10; $15 per 100.**

BOXWOOD (*Buxus suffruticosa*). The true form of the English Boxwood. Always dwarf. For edging walks and borders. **4 to 6-in. plants, 15 cts. each; 10 for $1.25; 8 to 10-in. plants, 50 cts. each; 10 for $4.50; 15 to 18-in. plants, $3 each; 10 for $27.50.** Bagged and Burlapped.

CALIFORNIA PRIVET. 1 to 1½-ft. plants, 3 canes or more, $1.50 for 25; $5 per 100.

NOTE.—We will carry a complete line of the leading varieties of Evergreen samples.

Shrubs by Mail

Due to the various sizes, and our inability to determine the exact charges to be made, we request that you add 15 per cent of your remittance to cover postage. Large quantities will be sent by Express collect

Hardy Chrysanthemums

Showy and effective autumn-blooming plants producing a profusion of beautiful flowers in October and November, after all other flowers have been killed by the frosts.

Plant early in the spring, so that the plants will have sufficient time to become established.

Chrysanthemum, Korean Hybrid

AMELIA CUSHION TYPE

Bloom from August to November

Pink Cushion. Pink.
Bronze Cushion. Bronze.
Red Cushion. Red.
Yellow Cushion. Yellow.
White Cushion. White.

Any of above, 25 cts. each; $2 for 10

NEW SINGLE KOREAN HYBRIDS

Bloom in September and October

Ceres. Old-gold.
Daphne. Pink.
Diana. Lilac-rose.
Happiness. Rose-apricot.
Hebe. Lavender-pink.
Innocence. White.
Mercury. Oxblood-red.
Orion. Yellow.
Roberta. Deep lavender-pink.
Sara J. Adams. Pink.
Vulcan. Red.

Any of above, 25 cts. each; $2 for 10; $18 per 100

NEW DOUBLE KOREAN HYBRIDS

Bloom in Early October

Indian Summer. Light bronze.
King Midas. Yellow.
The Moor. Wine-red.
Romany. Red-bronze.

Any of above, 45 cts. each; $4 for 10

Exhibition or Large-flowered Type

Oconto. White.
Quaker Maid. Pure white. October.
Smith's Enchantress. Pink. October.
Sunglow. Yellow. October 25.
Warren's Yellow. Bronzy yellow.

Any of above, 20 cts. each; 50 cts. for 3; $15 per 100

Pompon or Medium-flowered Type

Bloom in Mid-October

Barbera Cummings. Yellow.
Carrie. Yellow.
Granny Scovil. Coral-bronze.
Harvest Home. Bronzy yellow.
Lillian Doty. Shell-pink.
Philadelphia. Deep rose.
Pink Beauty. Rose-pink.
Red Doty. Red.
Rose Charm. Rose-pink.
R. Marion Hatton. Yellow.
Uvalda. Pure white.

Any of above, 20 cts. each; 50 cts. for 3; $15 per 100

Large Single or Daisy Type

Bloom in Mid-October

Attraction. Pale rose.
Brick Red. Deep red.
Bronze Buckingham. Bronze.
Dazzler. Scarlet.
Golden Sun. Yellow.
Mensa. White.
Mrs. William Buckingham. Pink.
Rich Red. Deep Red.

Any of above, 20 cts. each; 50 cts. for 3; $15 per 100

Button Type

Bloom in Early and Mid-October

Adironda. Light bronze.
Cometo. Pink.
Minong. White.
Early Yellow Button. Yellow.

Any of above, 20 cts. each; 50 cts. for 3; $15 per 100

PHLOX DECUSSATA

Tall, hardy garden Phlox that grows 2 to 3 feet high.

Africa. Deep red.
Baron van Heckeren. Delicate pink.
Commander. Violet.
Dr. Charles H. Mayo. White, red eye.
Fiancee. White.
Gen. van Heutz. Salmon-red, white eye.
Jules Sandeau. Watermelon-pink.
L'Esperance. Orchid.
Miss Lingard. White, pink eye.
Painted Lady. Silvery pink with salmon shadings, cherry-red eye.
Rheinlander. Salmon.
Rijnstroom. Deep pink.

Any of above, 20 cts. each; 50 cts. for 3; $15 per 100

Hardy Vines and Ground-Cover Plants

AMPELOPSIS veitchi (Boston Ivy). Popular, fast-growing climber that will cling to any surface, stone or wood. Foliage rich green, turning to shades of crimson and orange in the fall. **Strong, 2-yr., field-grown plants, 35 cts. each.**

BIGNONIA radicans (Trumpet Creeper). Rapid climber. Dark red flowers with orange throats. Very desirable wherever a showy flowering vine is desired. **2-yr., No. 1 stock, 35 cts. each.**

CELASTRUS scandens (Bittersweet). Light green foliage and yellow flowers during June, followed by bright orange berries which remain on all winter. **Strong, 2-yr. plants, 40 cts. each.**

CLEMATIS Henri. Large white flowers. **Strong, 2-yr. plants, 75 cts. each.**

CLEMATIS jackmani. Large, rich purple flowers. **Strong, 2-yr. plants, 75 cts. each.**

C. paniculata. Bears a profusion of fragrant white flowers from August till late fall. **Strong, 2-yr. plants, 40 cts. each.**

C., Mme. Edouard Andre. Large flowering red. **Strong, 2-yr. plants, 75 cts. each.**

C. RAMONA. Light blue. **Strong, 2-yr. plants, 75 cts. each.**

LONICERA sempervirens magnifica (New Everblooming Coral Honeysuckle). Tubular flowers of orange-scarlet color. Foliage rich, dark green. Strong, compact plants that flower continuously from early June until October. **50 cts. each.**

PACHYSANDRA terminalis (Japanese Spurge). An evergreen trailing plant with thick, glossy foliage forming a dense mat. One of the finest ground-covers. **25 cts. each; $2.25 for 10.**

POLYGONUM auberti (Silver Lace Vine). A desirable flowering climber. Strong, vigorous grower attaining a height of 25 feet or more, and producing, through the summer and fall, great foamy sprays of white flowers. **2-yr., No. 1 stock, 70 cts. each.**

WISTERIA sinensis (Chinese Wisteria). A very beautiful climber with purple flowers. **Strong, 3-yr. plants (grafted), 75 cts. each.**

W. sinensis alba. White form of above. **75 cts. each.**

Bignonia, Trumpet Creeper

Complete List of G. & T. Co.'s Selected Hardy Roses

Special Offer of 5 Everblooming Roses for $2. See inside back cover and below

Our Roses are vigorous, budded, 2-year-old, field-grown, strictly No. 1 stock. **A half dozen or more of any selection takes the dozen rate**

DORMANT STOCK

All varieties listed, except new and patented Roses, can be supplied in dormant stock from March 15 to May 1. Our dormant stock is not processed or paraffined. **50 cts. each; $5.50 per doz.**

POTTED STOCK

All Roses listed can be furnished in full leaf, growing in 7-inch pots after May 1.
75 cts. each; $8 per doz., unless otherwise noted

NEW AND PATENTED HYBRID TEA ROSES

Alice Harding. Plant Patent No. 202. Large golden yellow buds flaked with carmine and opening into long lasting, pure golden blooms. A real yellow exhibition rose, with a sweet honey fragrance. **$1.50 each**

Better Times. Plant Patent No. 23. Brilliant cerise-red flowers; delicately fragrant. **$1.25 each**

Crimson Glory. Plant Patent No. 105. This beautiful, intensely fragrant Rose has large, long-pointed buds, opening into big, semi-double, cupped blooms of deep velvety crimson. **$1.25 each**

Countess Vandal. Plant Patent No. 38. Today the most popular Rose in America, as well as Europe. A color combination of pink, copper, gold, and salmon, producing a peculiar effect, and changing as the bloom ages. **$1 each**

Gloaming. Plant Patent No. 137. The large buds are carried on long, rigid stems amply clothed with handsome foliage. Bloom is large and full. Color a soft satiny pink heavily laden with salmon and amber. Delightfully fragrant. **$1.25 each.**

McGredy's Triumph. Plant Patent No. 190. Very large, perfectly formed, full-petaled flowers of glistening cerise, overcast with orange. **$1.25 each.**

Mme. Cochet-Cochet. Plant Patent No. 129. One of the loveliest of the newer Roses. It is a delightful shade of coppery rose-pink, tinted coral, and the flowers are very large, semi-double, and slightly fragrant. Large, very long-pointed buds. **$1.25 each.**

R. M. S. Queen Mary. Plant Patent No. 249. Long and pointed buds, opening into flowers that are large and perfect in shape. The color is a brilliant, vivid combination of glowing salmon and pink, with an orange base. This rose has won many medals, both here and in Europe. **$1.50 each.**

Texas Centennial. Plant Patent No. 162. This is a sport of President Herbert Hoover with all that popular variety's good traits, but the flowers are a rich brick-red with a suspicion of gold, the center lighter red, toning to dark pink with age. One of the most beautiful of the newer varieties. **$1 each.**

NEW AND PATENTED EVERBLOOMING HARDY CLIMBING ROSES

Blaze. Plant Patent No. 10. The new everblooming vivid scarlet climber. **$1 each.**

Golden Climber (Everblooming Mrs. Arthur Curtiss James). Plant Patent No. 28. Golden yellow blooms. **$1 each.**

The New Dawn (Everblooming Dr. W. Van Fleet). Plant Patent No. 1. Flesh-pink blooms in summer and fall. **$1.50 each.**

Special Rose Offer No. 1

5 Everblooming Roses (Dormant Stock) for $2
1 Each of the Following Varieties
CALEDONIA
MRS. PIERRE S. DU PONT
RADIANCE (Pink)
RED RADIANCE TALISMAN
See inside back cover for Special Offer No. 2

HYBRID TEA ROSES

Ami Quinard. Bud blackish garnet, opening blackish garnet and coppery scarlet, passing to very dark maroon without turning purplish. **75 cts. each.**

Autumn. Burnt-orange, marked with red.

Betty Uprichard. Delicate salmon-pink; intensely fragrant. Long-pointed buds.

Briarcliff. Brilliant, rose-pink, shading lighter. Pointed buds.

Caledonia. The best white. Pointed buds. **85 cts. each; $9 per doz.**

Charles P. Kilham. Brilliant Oriental red, flushed with orange-scarlet.

Columbia. Light pink; very fragrant. **85 cts. each; $9 per doz.**

Dame Edith Helen. Brilliant rose-pink.

Dorothy McGredy. Plant Patent rights reserved. Intense vermilion, with saffron-yellow base, reverse sunflower-yellow, shading off to crushed strawberry. **$1 ea.**

Dotty. A newer variety with bronze bud tinted golden yellow, which stays in the open bloom. **85 cts. each; $9 per doz.**

Double White Killarney. Large, double, fragrant white blooms.

Duchess of Wellington. Intense saffron-yellow, stained crimson.

E. G. Hill. Deep maroon, velvety on inside; very fragrant.

Etoile de Hollande. Brilliant crimson.

Feu Joseph Looymans. Glowing apricot and old-gold.

Golden Dawn. Rich straw-yellow, flushed old-rose. **85 cts. each; $9 per doz.**

Golden Pernet. Large double Primrose yellow. **85 cts. each; $9 per doz.**

Hadley. Dazzling crimson-scarlet.

Imperial Potentate. Flower large, double, fragrant, dark rose-pink.

Joanna Hill. Clear yellow, golden heart.

Kaiserin Auguste Viktoria. Pure white.

Margaret McGredy. Brick-red.

McGredy's Scarlet. Brilliant scarlet, orange-yellow at base of petals.

McGredy's Ivory. Large, well-shaped, creamy white; very fragrant. **85 cts. each; $9 per doz.**

Mevrouw G. A. van Rossem. Vivid orange and apricot. **85 cts. each; $9 per doz.**

Mme. Edouard Herriot. Coral-red.

Mme. Jules Bouche. White with blush tints in center. **85 cts. each; $9 per doz.**

Miss Rowena Thom. Satiny pink, orange-flame center.

Mrs. E. P. Thom. Rich lemon-yellow.

Mrs. Charles Bell. Shell pink sport of Radiance; growth and bloom the same.

Mme. Nicholas Aussel. Coppery red buds, full blooms of deep salmon.

Mrs. Pierre S. du Pont. Semi-double, very lasting, fragrant, deep golden yellow flower. **85 cts. each; $9 per doz.**

Mrs Sam McGredy. Large; double; scarlet-copper-orange, flushed with Lincoln red on outside of petals.

Olympiad. Dark Oriental scarlet. **85 cts. each; $9 per doz.**

Padre. Bloom semi-double, fragrant, bright coppery scarlet, flushed with yellow. **85 cts. each; $9 per doz.**

President Herbert Hoover. A combination of pink, flame, scarlet, and yellow.

Radiance. Bright carmine-pink.

Red Radiance. Bright cerise-red.

Rev. F. Page-Roberts. Golden yellow, stained copper.

Sœur Therese. Golden yellow bloom of very large size and extremely double. **85 cts. each; $9 per doz.**

Souv. de Claudius Pernet. Rich yellow. Long-pointed bud.

Talisman. Combination of apricot, gold, and deep rose-pink.

Ville de Paris. Rich buttercup-yellow.

Willowmere. Large double blooms of rich, shrimp-pink.

HARDY CLIMBING ROSES

Climbing American Beauty. Large buds and flowers of bright purplish crimson.

Climbing Talisman. Apricot, gold and deep rose-pink.

Climbing Red Radiance. Brilliant red.

Dr. W. Van Fleet. Rich flesh-pink.

Emily Gray. Light orange-yellow.

Jacotte. Deep orange-yellow, tinted red.

Paul's Scarlet Climber. A vivid scarlet which does not fade.

Silver Moon. Large; creamy white. **75 cts. each; $8 per doz.**

POLYANTHA OR BABY ROSES

Compact plants producing trusses of small flowers from early June until frost.

Baby Rambler. Light crimson sort with fine heads of small flowers.

Cecile Brunner (Sweetheart Rose). Soft rosy pink.

Gloria Mundi. Brilliant orange-scarlet.

Sparkler. Brilliant sparkling red. **85 cts. each; $8.50 per doz.**

SHRUB ROSES

Valuable as individual specimens, among shrubs, or as an everblooming hedge. Perfectly hardy.

F. J. Grootendorst. Bright crimson.

Pink Grootendorst. Clear pink. **85 cts. each; $8.50 per doz.**

MOSS ROSES

Characterized by the mossy covering which surrounds the buds.

Blanche Moreau. Large; pure white.

Crested Moss. Rose-pink.

Henri Martin. Crimson. **85 cts. each; $8.50 per doz.**

Roses by Mail: Add 10% to your remittance for postage and packing. Potted roses sent express collect.

Griffith & Turner—for High Quality

ARTICHOKES

Green Globe. The standard variety for home- and market-garden use. Bears the second year from seed and lasts for years. Heads dark green, globe shaped. **Pkt. 10 cts.; oz. 50 cts.; ¼lb. $1.50.**

ASPARAGUS SEED

CULTURE. Sow seed in spring, in rows about 1 inch apart, 18 inches between rows. Cover about 2 inches deep. Sow 1 ounce of seed to 40-foot row, 10 pounds to acre. Keep free of weeds; let stand for two years.

Mary Washington. The best rust-resisting type. The large green tips are of unsurpassed quality. **Pkt. 10 cts.; oz. 15 cts.; ¼lb. 30 cts.; lb. 75 cts.**

ASPARAGUS ROOTS

CULTURE. Select well-drained, loamy soil and dig trenches 12 to 15 inches deep, 3 to 4 feet apart; fill with 4 inches manure and cover with good soil to within 6 inches of surface. Set roots 12 to 15 inches apart, spread out evenly, cover 4 inches, and fill in as plants develop. Cultivate thoroughly; fertilize in August. 100 roots should supply the average family; 7000 roots will plant an acre.

$1.40 per 100; $10 per 1000

Asparagus knives, bunchers, tape and bands. See page 43.

SNAP BEANS

CULTURE. Plant Beans after all danger of frost is past, in warm, fertile soil, 2 inches deep. The rows should be 2 to 2½ feet apart; seed 4 to 6 inches apart, in rows. For succession, plant every 2 weeks, until August. Sow 1 pound to 50-foot row, 90 pounds to acre. Avoid working and picking while foilage is wet. One pound is about 1 pint; 2 pounds, 1 quart; 15 pounds, 1 peck.

Write for prices in larger quantity.

GREEN BUSH

Burpee's Stringless Green-Pod. (53 days.) The medium green, meaty, fine-quality, round, pointed pods are 6 inches long. Popular for home-gardens and canning. **Pkt. 10 cts.; lb. 25 cts.; 2 lbs. 40 cts.; 15 lbs. (pk.) $2.25; 60 lbs. (bus.) $7.50.**

The Commodore. 60 days. A Dwarf Kentucky Wonder. Received All American Award of Merit of 1938. Pods 8 to 10 inches, round, curved, and slightly pointed, light green in color. Stringless, brittle and absolutely fiberless in all stages. Excellent flavor. Fine for home and market. **Pkt. 15 cts.; lb. 40 cts.; 2 lbs. 75 cts.; (pk.) $4.50.**

Extra-Early Bountiful. (50 days.) Light green, stringless, tender, flat, pointed straight pods 7 inches long. Extensively planted for market gardens and shipping. **Pkt. 10 cts.; lb. 25 cts.; 2 lbs. 40 cts.; 15 lbs. (pk.) $2.25; 60 lbs. (bus.) $7.50.**

Full Measure. (55 days.) Fleshy, tender, medium green, round, straight-pointed, stringless pod 6½ inches long. Very popular for market gardeners and for canning. **Pkt. 10 cts.; lb. 25 cts.; 2 lbs. 40 cts.; 15 lbs. (pk.) $2.25; 60 lbs. (bus.) $7.50.**

Giant Stringless Green-Pod. (55 days.) Pods round, pointed, medium green, straight, brittle and meaty, 6 inches long. Excellent for market, shipping, canning, and highly recommended for home use. **Pkt. 10 cts.; lb. 25 cts.; 2 lbs. 40 cts.; 15 lbs. (pk.) $2.25; 60 lbs. (bus.) $7.50.**

Extra-Early Red Valentine. (53 days.) Has 5½-inch pods which are round, pointed, straight, slender and not stringless. An early and an old dependable variety for home gardeners. **Pkt. 10 cts.; lb. 25 cts.; 2 lbs. 40 cts.; 15 lbs. (pk.) $2.25; 60 lbs. (bus.) $7.50.**

New Stringless Green-Pod or **Tender Green.** (55 days.) Six-inch, round, straight, dark green, meaty, tender pods. Extensively used by truckers and for canning. A very productive new variety. Not susceptible to disease. **Pkt. 10 cts.; lb. 25 cts.; 2 lbs. 40 cts.; 15 lbs. (pk.) $2.25; 60 lbs. (bus.) $7.50.**

Stringless Black Valentine. (51 days.) Its 6-inch, round, straight, dark green pod is of a delicate flavor. Fine for market gardens, canning, and long-distance shipping. **Pkt. 10 cts.; lb. 25 cts.; 2 lbs. 40 cts.; 15 lbs. (pk.) $2.25; 60 lbs. (bus.) $8.**

SHELL BEANS

Dwarf Horticultural Stringless or **Dwarf Cherry.** (54 days for snap pods; 62 days for Shell Beans.) Its 5-inch semi-round pods are green which changes to a greenish yellow. Widely used for home and market. The best shell variety. **Pkt. 10 cts.; lb. 25 cts.; 2 lbs. 40 cts.; 15 lbs. (pk.) $2.25; 60 lbs. (bus.) $7.50.**

Improved White Navy or **Pea Bean.** (90 days.) This improved variety is the best-known commercial Shell Bean and is a heavy producer. Its flat pods are 4 inches long. **Pkt. 10 cts.; lb. 25 cts.; 2 lbs. 40 cts.; 15 lbs. (pk.) $2.00; 60 lbs. (bus.) $6.50.**

White Marrow. (100 days.) A favorite Bean for baking. Very productive and of fine quality, having pods 5½ inches long. **Pkt. 10 cts.; lb. 25 cts.; 2 lbs. 40 cts.; 15 lbs. (pk.) $2.00; 60 lbs. (bus.) $6.50.**

WAX BUSH

Improved Rustproof Golden Wax. (52 days.) Straight, oval, creamy yellow, pointed pods 5½ inches long and of good quality. Used mostly for home-gardens. **Pkt. 10 cts.; lb. 25 cts.; 2 lbs. 40 cts.; 15 lbs. (pk.) $2.40; 60 lbs. (bus.) $7.75.**

New Pencil-Pod Wax. (55 days.) The best Wax Bean, having stringless, round, pointed, light yellow, curved pods which are 7 inches long, very meaty and tender. Very productive, making it excellent for home use, market gardens, and canning. **Pkt. 10 cts.; lb. 25 cts.; 2 lbs. 40 cts.; 15 lbs. (pk.) $2.40; 60 lbs. (bus.) $7.75.**

Round Pod Kidney Wax or **Brittle Wax.** (53 days.) Pods 6½ inches long, medium yellow, round, slightly curved, extremely brittle, fiberless and of the highest quality. Very popular with canners. Outstanding. **Pkt. 10 cts.; lb. 25 cts.; 2 lbs. 40 cts.; 15 lbs. (pk.) $2.50; 60 lbs. (bus.) $8.**

Sure-Crop Wax. (54 days.) Pods 7 inches long, flattish oval, curved, dull yellow, stringless. Used mostly by truckers and shippers. Productive. **Pkt. 10 cts.; lb. 25 cts.; 2 lbs. 40 cts.; 15 lbs. (pk.) $2.40; 60 lbs. (bus.) $7.75.**

POLE OR RUNNING BEANS

CULTURE. These are planted about the middle of May, in hills 3 to 4 feet apart, 2 inches deep, 6 to 8 seeds to the hill; thin to 4 plants. Sow 2 pounds to 100 hills, 30 pounds to acre.

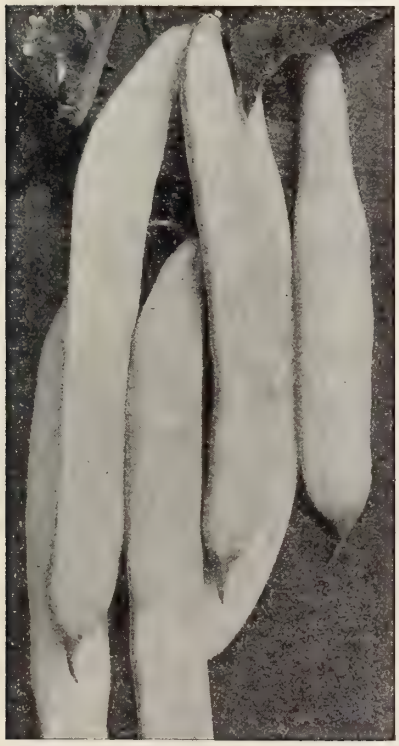
Asparagus or **Yard Long.** (72 days.) Pods 18 to 20 inches long, round, light green, fleshy and tender, has slight string, but is fiberless. Contains 16 to 20 beans. A popular novelty. **Oz. 10 cts.; ¼ lb. 25 cts.; lb. 60 cts.; 2 lbs. $1.**

Kentucky Wonder or **Old Homestead.** (65 days.) Stringless when young, having 7½-inch, oval, light green, meaty, curved pods. Excellent for home, market garden, and canning. A good climber. Very prolific. **Pkt. 10 cts.; lb. 25 cts.; 2 lbs. 40 cts.; 15 lbs. (pk.) $2.25; 60 lbs. (bus.) $7.50.**

Kentucky Wonder Wax. (65 days.) The most popular and prolific wax podded pole bean. Pods 7 inches long, waxy yellow, flat, nearly stringless, and very meaty. Very popular for home use. **Pkt. 10 cts.; lb. 30 cts.; 2 lbs. 50 cts.; 15 lbs. (pk.) $2.65; 60 lbs. (bus.) $8.50.**

Lazy Wife or **White Cherry.** (74 days.) Splendid either as a Snap or Shell Bean. Pods 6½ inches long, light green, tender, stringless, and of good quality. A good climber. Productive. **Pkt. 10 cts.; lb. 25 cts.; 2 lbs. 40 cts.; 15 lbs. (pk.) $2.25; 60 lbs. (bus.) $7.50.**

Horticultural London or **Cherry.** (70 days.) Pods 6½ inches, flattish, oval, curved, green splashed with red, stringless and fleshy, of good quality. Extensively used for market garden and home as a Snap and Green Shell Bean. **Pkt. 10 cts.; lb. 25 cts.; 2 lbs. 40 cts.; 15 lbs. (pk.) $2.25; 60 lbs. (bus.) $7.50.**



Beans

LIMA BEANS

BUSH

CULTURE. Plant in rows 3 feet apart, 2 inches deep, eyes down, 8 to 12 inches apart in row. Sow 2 pounds per 100 yards, 40 to 60 pounds an acre. Same treatment as Pole Lima Beans. One pound is about 1 pint; 2 pounds, 1 quart; 15 pounds, 1 peck.

Burpee's. (77 days.) Pods 5 inches long, curved, flat, containing 3 or 4 large flat Beans. A large yielder and very popular. Vigorous. Good quality. **Pkt. 10 cts.; lb. 25 cts.; 2 lbs. 40 cts.; 15 lbs. (pk.) $2.50; 60 lbs. (bus.) $8.**

Burpee's Improved. (75 days.) Pods curved, flat, 6 inches long, with 4 or 5 large, flat, oval Beans. Yields heavier than Burpee's. Quality good. Very productive. **Pkt. 10 cts.; lb. 30 cts.; 2 lbs. 50 cts.; 15 lbs. (pk.) $2.65; 60 lbs. (bus.) $8.50.**

Dreer's. (80 days.) Straight, plump, 3½-inch pods, with 2 to 4 oval Beans. A potato type of excellent quality. **Pkt. 10 cts.; lb. 30 cts.; 2 lbs. 55 cts.; 15 lbs. (pk.) $3.15; 60 lbs. (bus.) $9.50.**

Fordhook. (75 days.) Its straight, plump, 4 to 5-inch pods contain 3 to 5 plump, tender, thick, oval Beans of excellent quality. A potato type, very popular with market and home gardeners. Very productive. **Pkt. 10 cts.; lb. 30 cts.; 2 lbs. 50 cts.; 15 lbs. (pk.) $2.90; 60 lbs. (bus.) $9.**

Giant-Podded. (80 days.) Curved, 6-inch pods, with 4 to 6 oval, flat, meaty Beans of excellent quality. One of the best varieties and is recommended for home use. **Pkt. 10 cts.; lb. 30 cts.; 2 lbs. 50 cts.; 15 lbs. (pk.) $2.90; 60 lbs. (bus.) $9.**

Henderson. (65 days.) Pods flat, with 3 or 4 flat, tender, small Beans. Sometimes called "Baby Limas" or "Butter Beans." A prolific canning and home-garden Bean. **Pkt. 10 cts.; lb. 25 cts.; 2 lbs. 40 cts.; 15 lbs. (pk.) $2.25; 60 lbs. (bus.) $7.50.**

McCray's Bush Lima. (72 days.) Introduced in 1934 and has become popular for both home gardens and canning. Plant stocky, erect and prolific. Pods 3½ inches, curved, thick, and fat. Contains to five tasty thick beans. **Lb. 30 cts.; 2 lbs. 50 cts.; 15 lbs. (pk.) $2.65; 60 lbs. (bus.) $8.50.**

POLE LIMA BEANS

CULTURE. Set poles 3 to 4 feet apart; plant 6 to 8 Beans, 2 inches deep, eyes down, around each pole. Thin to 4 Beans to pole. Sow 3 pounds to 100 poles, 30 pounds an acre. Give same treatment as Snap Beans; they are more sensitive to wet and cold. Do not plant until ground is dry and warm.

Carolina or **Sieva.** (75 days.) Pods 3½ inches long, with 3 or 4 small, tender, flat Beans. A good climber and productive. Similar to Henderson Bush Lima. **Pkt. 10 cts.; lb. 25 cts.; 2 lbs. 40 cts.; 15 lbs. (pk.) $2.25; 60 lbs. (bus.) $7.50.**

Carpinteria. (88 days.) Flat, 5½-inch pods with 4 or 5 large, flat, good-quality Beans. A good climber and yielder. One of the best. **Pkt. 10 cts.; lb. 30 cts.; 2 lbs. 50 cts.; 15 lbs. (pk.) $2.65; 60 lbs. (bus.) $8.50.**

Challenger or **Dreer's Improved.** (92 days.) A potato Lima with 4-inch, straight pods containing 3 or 4 oval, fine-quality Beans. A good climber and productive. **Pkt. 10 cts.; lb. 30 cts.; 2 lbs. 50 cts.; 15 lbs. (pk.) $3; 60 lbs. (bus.) $9.25.**

Early Leviathan, Henderson's. (79 days.) Pods 5½ inches, curved and flat, with 5 or 6 Beans. A good climber and prolific. **Pkt. 10 cts.; lb. 25 cts.; 2 lbs. 40 cts.; 15 lbs. (pk.) $2.50; 60 lbs. (bus.) $8.**

Giant-Podded. (90 days.) Pods flat and curved, 6 to 8 inches long, with 4 or 5 oval, flat, tender Beans of excellent quality. Prolific and outstanding in all respects. **Pkt. 10 cts.; lb. 30 cts.; 2 lbs. 50 cts.; 15 lbs. (pk.) $2.90; 60 lbs. (bus.) $9.**

King of the Garden. (88 days.) The best-known and most popular. Its flat, curved pods are 6 to 7 inches long and contain 3 to 5 large, tender, flat Beans. Very productive. **Pkt. 10 cts.; lb. 25 cts.; 2 lbs. 40 cts.; 15 lbs. (pk.) $2.50; 60 lbs. (bus.) $8.**

Write for Prices in Larger Quantities

Beets

BEETS

CULTURE. Plant in well-enriched, moist, sandy loam, 4 inches apart, in rows 12 to 18 inches apart, 1 inch deep, as soon as the ground can be worked. Make additional sowings until middle of August. Sow 1 ounce to 100-foot row, 8 to 10 pounds an acre.

Crosby's Improved Egyptian. (55 days.) A very early variety for home and market. Dark red, globe-shaped Beet with flattened top. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 75 cts.; 5 lbs. $3.25; 25 lbs. $15.**

Detroit Dark Red. (68 days.) One of the best Beets for home use, truckers, shippers, and canners. The deep red, uniformly globe-shaped, tender roots are unsurpassed in quality. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 75 cts.; 5 lbs. $3.25; 25 lbs. $15.**

Detroit Dark Red, Perfected Strain. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 35 cts.; lb. $1; 5 lbs. $4.50; 25 lbs. $20.**

Eclipse. (60 days.) A quick-growing early variety for market and home use. Roots globular, bright red, with whitish zones. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 75 cts.; 5 lbs. $3.25; 25 lbs. $15.**

Extra-Early Flat Egyptian. (50 days.) A very early, flat, bright red Beet. Largely used by truckers for the early market. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 75 cts.; 5 lbs. $3.25; 25 lbs. $15.**

Early Wonder. (55 days.) A good-quality, flattened globe-shaped dark red Beet. Very early. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 75 cts.; 5 lbs. $3.25; 25 lbs. $15.**

G. & T. Co.'s Early Blood Turnip Beet. (65 days.) Our improved strain is very popular with market and home gardeners. Its dark red, uniformly globe-shaped roots are of excellent quality. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 75 cts.; 5 lbs. $3.25; 25 lbs. $15.**

Swiss Chard. See page 37.

STOCK-FEEDING BEETS

Mangel-Wurzel

CULTURE. Valuable for stock-feeding. Sow seed from April to June, in rows 2½ feet apart, 1½ inches deep, and thin to 10 to 12 inches apart. Sow 4 to 6 pounds an acre. Cultivate frequently.

Champion Yellow Intermediate or **Gate-Post.** (100 days.) Roots are large, oval, long, orange-yellow below the ground, rich in sugar, having a high feeding value. **Oz. 10 cts.; ¼ lb. 20 cts.; lb. 50 cts.; 5 lbs. $2.25; 10 lbs. $4.00.**

Giant Half-Sugar Rose. (90 days.) Roots long, oval, white with rose shoulder. High sugar content. **Oz. 10 cts.; ¼ lb. 20 cts.; lb. 50 cts.; 5 lbs. $2.25; 10 lbs. $4.00.**

Golden Tankard. (95 days.) Roots large, almost cylindrical, deep orange below the ground. A heavy cropper. **Oz. 10 cts.; ¼ lb. 20 cts.; lb. 50 cts.; 5 lbs. $2.25; 10 lbs. $4.00.**

Mammoth Long Red. (110 days.) The most popular Mangel. Yields from 30 to 50 tons per acre. Large, oval, light red roots, half above the ground. **Oz. 10 cts.; ¼ lb. 20 cts.; lb. 50 cts.; 5 lbs. $2.25; 10 lbs. $4.**

BORECOLE

See Kale, page 32.

BROCCOLI

CULTURE. Sow seed in open ground, 1 ounce to 100-yard row, ½ inch deep, and get plants in field in July or August. After the center head is cut it will produce side-shoots with a smaller head. One of the best has succulent asparagus flavor.

Italian Calabrese Green Sprouting. (60 days.) The leading variety for shippers and truckers. Tall, branching heads of bluish green, becoming more popular each year. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 75 cts.; ½ lb. $1.45; lb. $2.75.**

Brussel Sprouts

BRUSSELS SPROUTS

CULTURE. The same in all essentials as for cabbage, except that the leaves should be broken down in the fall to give the little heads more room to grow. Sow in rows 2 feet apart, 18 to 24 inches apart in rows ½ inch deep. Sow 1 ounce to 100-yard row, ¼ pound an acre; set 8000 to 10,000 plants to acre.

Long Island Improved. (*70 days.) Plants 20 inches tall, producing an abundance of delicious, firm heads. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 65 cts.; ½ lb. $1.25; lb. $2.25.** See page 41 for Plants.

CABBAGE SEED

CULTURE. Cabbage will thrive on any good cornland, but the stronger the soil, the better the heads will develop. Plow deeply and manure very liberally. Set plants of the early sorts from 1½ to 3 feet apart, in the rows from 2 to 2½ feet apart, the distance varying with the size. For early use, sow in a hotbed in February or March, and in April set the plants out in the rows. For late crop, sow in May or June and transplant as soon as the plants are 5 to 6 inches high. The ground should be thoroughly cultivated every week until the plants meet in the rows. Sow 1 ounce to 100 yards, ¼ pound an acre, ½ inch deep; set 8000 to 10,000 plants an acre. One ounce produces 4000 plants.

For Cabbage Plants, see page 41.

EARLY CABBAGE

G. & T. Co.'s Charleston Wakefield. (*73 days.) This strain is a dependable early variety for home-gardens or truckers. Has large, pointed heads 6½ inches in diameter and weighing 4 pounds. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 60 cts.; lb. $2; 5 lbs. $9.**

Copenhagen Market. (*68 days.) Uniform round heads, 6½ inches in diameter, weighing 4 pounds, with crisp leaves. Good for early kraut. A short-stemmed variety with few outer leaves. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 60 cts.; lb. $2; 5 lbs. $9.**

G. & T. Co.'s Early Jersey Wakefield. (*62 days.) Our seed produces pointed heads 5 inches in diameter, about 7 inches long, weighing 2½ pounds. The most popular early variety. Plants are compact and can be set close together. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 50 cts.; lb. $1.75; 5 lbs. $8.**

Extra-Early Jersey Wakefield. (*58 days.) Heads 4½ inches in diameter, and weighing 2 pounds. Very similar to Jersey Wakefield, only a little smaller and about 5 days earlier. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 50 cts.; lb. $1.75; 5 lbs. $8.**

Golden Acre. (*62 days.) The earliest round-headed Cabbage. Similar to Copenhagen Market, only earlier and a little smaller. Heads 6 inches in diameter; weight 3 pounds. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 75 cts.; lb. $2.50; 5 lbs. $11.25.**

INTERMEDIATE VARIETIES

Allhead Early. (*77 days.) Heads 9 inches in diameter; weight 6 pounds. Has firm flat deep heads good for kraut. Keeps well in winter. The earliest flat Cabbage. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 50 cts.; lb. $1.75; 5 lbs. $8.**

All-Seasons. (*88 days.) Heads flat, 9 to 10 inches in diameter; weight 9 pounds. A good variety, thriving even in hot, dry weather. Popular for kraut. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 50 cts.; lb. $1.75; 5 lbs. $8.**

Early Dwarf Flat Dutch. (*78 days.) A very early and fine-quality flat Cabbage with heads 9 inches in diameter and weighing 6½ pounds. Keeps well and is very good for kraut. Popular for home-gardens. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 50 cts.; lb. $1.75; 5 lbs. $8.**

Succession. (*86 days.) Dependable mid-season variety having a short stem. Heads 10 inches in diameter, flat, and thick, weighing 9 pounds. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 50 cts.; lb. $1.75; 5 lbs. $8.**

YELLOWS-RESISTANT VARIETIES

These are invaluable in areas infested with "yellows" disease. Their use is increasing.

Jersey Queen. (*70 days.) A strain of Jersey Wakefield which will resist "yellows." Heads weigh 2 to 2½ pounds and are from 4½ to 5 inches in diameter. **Pkt. 10 cts.; oz. 30 cts.; ¼ lb. 90 cts.; lb. $3; 5 lbs. $13.75.**

Marion Market. (*75 days.) This development of Copenhagen Market has larger and firmer heads, making it excellent for kraut. Heads 7 inches in diameter; weight 4 pounds. Very popular. **Pkt. 10 cts.; oz. 30 cts.; ¼ lb. $1; lb. $3.25; 5 lbs. $15.**

Wisconsin All-Seasons. (*90 days.) A development of All-Seasons with heads 10 to 12 inches in diameter and weighing 9 pounds. An excellent general-purpose Cabbage. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 90 cts.; lb. $3; 5 lbs. $13.75.**

CABBAGE (*Con't.*)

MAIN-CROP or LATE VARIETIES

Danish Ballhead. (*100 days.) One of the most widely used Cabbages and the best late sort, being desirable for shipping, storage, and kraut. Has short stem and round, hard heads, 8 inches in diameter and weighing 7 pounds, with excellent flavor. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 60 cts.; lb. $2; 5 lbs. $9.**

Large Late American Drumhead. (*107 days.) A flat head, 12 inches in diameter, deep, solid, and keeps well; weight 11½ pounds. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 70 cts.; lb. $2.25; 5 lbs. $10.**

Perfection Drumhead Savoy. (*88 days.) The best curly or Savoy type. Heads round, full, and hard, 7 inches in diameter, weighing 7 pounds. Its leaves are bluish green and of excellent flavor. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 70 cts.; lb. $2.25; 5 lbs. $10.**

G. & T. Co.'s Premium Large Late Flat Dutch. (*105 days.) One of the most popular Cabbages. Good for home, market, garden, and shipping. Heads 7 inches deep, 11 inches in diameter, and of fine quality; weight 10 pounds. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 50 cts.; lb. $1.75; 5 lbs. $8.**

Red Dutch. (*80 days.) Heads purplish red, large, 6 inches in diameter; weight 5 pounds. A good shipper of delicate taste. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 70 cts.; lb. $2.25; 5 lbs. $10.**

Surehead. (*95 days.) A Late Flat Dutch type with medium stem. Heads hard, of good quality, 8 inches in diameter; weight 9 pounds. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 50 cts.; lb. $1.75; 5 lbs. $8.**

CHINESE CABBAGE

Pe-Tsai. (*75 days.) Crisp, sweet, pointed head, 15 inches long. Resembles Cos Lettuce. Early. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 60 cts.; lb. $2; 5 lbs. $9.**

Wong Bok. (*80 days.) Tender heads, shorter and thicker than Pe-Tsai. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 60 cts.; lb. $2; 5 lbs. $9.**

Cabbage and other Vegetable Plants on page 41. Hotbed Sash, Glass and Mats on page 43.

COLLARDS

Culture. Sow seed thickly in rows ½ inch deep, in rich ground. Transplant when about 4 inches high, or sow where the plants are to stand, and thin to 2 or 3 feet apart. Sow 1 ounce to 100 yards, ¼ pound an acre.

Georgia or **Southern.** (80 days.) Grows from 2 to 3 feet tall, with light green, tender leaves on long stems. Withstands heat and has excellent flavor when cooked. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; ½ lb. 40 cts.; lb. 65 cts.; 5 lbs. $2.75.**

CELERY SEED

Unsurpassed for flavoring soups, pickles, etc. **Oz. 10 cts.; ¼ lb. 20 cts.; lb. 40 cts.**

***Designates number of days from plant setting to marketable vegetables. Otherwise the time is from seed sowing to marketable vegetables.**

CARROTS

Culture. Carrots thrive best in a rather light rich loam. The ground should be well manured with fine, well-rotted or composted manure, and be thoroughly worked quite deep. Sow from middle of April to middle of May, ½ inch deep, in rows 14 inches apart, and thin the plants to stand 5 to 6 inches apart in the row. For late crops, sow in June or July. An important point is to tread the rows firmly after sowing. For field-culture, Carrots should be sown in drills 3 to 3½ feet apart, so as to allow horse-cultivation.

Chantenay. (70 days.) A good medium-early variety desirable for home or market. Stump rooted, deep orange, smooth, tapered, 4½ to 5 inches long and 2½ inches in diameter. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. 85 cts.; 5 lbs. $3.75; 25 lbs. $17.50.**

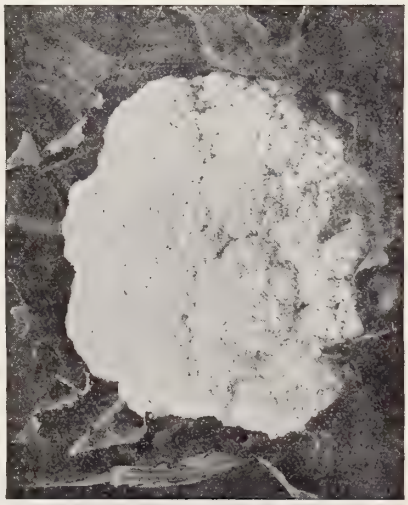
Danvers Half-Long. (75 days.) Very popular with home and market gardeners. Roots beautiful bright orange, tapered to a blunt point, and 6 to 8 inches long, 2 inches in diameter. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. 85 cts.; 5lbs. $3.75; 25 lbs. $17.50.**

Early Scarlet Horn. (64 days.) Desirable for early market use. Tops small, roots 3 inches long and 1½ inches in diameter, of a reddish orange color. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1; 5 lbs. $4.25; 25 lbs. $20.**

Improved Long Orange. (85 days.) Roots 11 inches long and 2 to 3 inches in diameter, red-orange in color. Excellent for table use when young; much used for stockfeeding when matured. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. 85 cts.; 5 lbs. $3.75; 25 lbs. $17.50.**

Nantes Stump-rooted or **Coreless.** (69 days.) Good for forcing as well as home and market use. Cylindrical, blunt, uniform roots 6 inches long, 1⅜ inches in diameter, bright orange, and unsurpassed in flavor. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. 85 cts.; 5 lbs. $3.75; 25 lbs. $17.50.**

Oxheart or **Guerande.** (75 days.) Roots 4 to 5 inches long and 2½ inches in diameter, bright orange, thick and blunt-ended. Desirable for home use and a good keeper. Used in its mature form for stock-feeding. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. 85 cts.; 5 lbs. $3.75; 25 lbs. $17.50.**



Cauliflower

CAULIFLOWER

Culture. This crop is handled in much the same way as cabbage. It is a gross feeder and needs large quantities of fertilizer and manure and abundance of water. Set plants 2 feet apart, in rows 2½ feet apart. Sow 1 ounce to 100 yards, ¼ pound an acre; 8000 plants an acre. One ounce will produce 4000 plants.

For Cauliflower plants, see page 41

Extra-Early Snowball. (*55 days.) The most widely used early variety. Heads compact, solid, and pure white, from 6 to 7 inches in diameter. **Pkts. 10** and **25 cts.; ½ oz. 75 cts.; oz. $1.25; ¼ lb. $4.50.**

G. & T. Co.'s Drought-Resisting. (*67 days.) Will also withstand dry weather and produce large, solid white heads, tinged with cream, from 7 to 8 inches in diameter. **Pkts. 10** and **25 cts.; ½ oz. 85 cts.; oz. $1.35; ¼ lb. $4.60.**

G. & T. Co.'s Gilt-Edge Snowball. (*65 days.) Withstands dry weather; large, thick white heads with a cream tinge, about 8 inches in diameter. **Pkts. 10** and **25 cts.; ½ oz. 85 cts.; oz. $1.35; ¼ lb. $4.60.**

Select Early Dwarf Erfurt. (*57 days.) A popular early variety for home and market gardener and shipping. Heads snow-white, about 7 inches in diameter, of fine quality. **Pkts. 25** and **50 cts.; ½ oz. 75 cts.; oz. $1.25; ¼ lb. $4.50.**

CELERIAC

Giant Smooth Prague. The best variety of Turnip-rooted Celery, producing smooth spherical roots 2 to 3 inches in diameter. Used for its celery flavoring. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 60 cts.; ½ lb. $1.10; lb. $2.**

CELERY

Culture. Plant seed ¼ inch deep in hotbed or very early in open ground. When plants are 3 inches high, transplant to stand 4 inches apart, in rich soil, finely pulverized; water and protect until well rooted. In June or July transplant into rows 3 to 4 feet apart, either on surface or well-manured trenches a foot in depth, half filled with well-rotted manure. Set the plants from 6 to 8 inches apart. To blanch, draw earth around the plants from time to time, taking care not to cover the top of the center shoots. Sow 2 ounces to 100-yard row, ¼ pound an acre; 20,000 to 30,000 plants to acre. One ounce produces 8000 plants.

For Celery plants, see page 41

Celery Bleachers. See page 44.

Easy-Blanching. (125 days from seed to maturity.) Excellent second-early variety for home and market garden. Stalks thick, solid, of rich, crisp flavor, and blanch very readily. A good keeper. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 75 cts.; ½ lb. $1.35; lb. $2.50.**

Giant Pascal. (135 days from seed to maturity.) A late variety desirable for home and market use. Stalks long, thick, solid, and of rich flavor. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 65 cts.; ½ lb. $1.15; lb. $2.25.**

Golden Self-Blanching, Tall. (118 days from seed to maturity.) Early and very excellent for home and market. Stalks 26 to 28 inches tall, firm, crisp, compact, of delicious flavor, and will blanch readily. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 75 cts.; ½ lb. $1.40; lb. $2.75.**

Winter Queen. (118 days from seed to maturity.) The best winter variety. Semi-dwarf, with solid hearts and broad, solid, and crisp stalks of delicious nutty flavor. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 60 cts.; ½ lb. $1.10; lb. $2.**

Sweet Corn Should Be on the Table 20 Minutes After It Is Cut

SUGAR CORN for Table Use

HYBRID VARIETIES

Undoubtedly, the trend in Corn is toward hybrids. They are a great deal more resistant to Stewart's disease and bacterial wilt; their root system is better, which insures less damage by winds and storm; and the ears are larger and more uniform. These factors insure larger and better crops and explain its popularity among canners, market and home gardeners.

Golden Cross Bantam. (88 days.) Well adapted to canners' use and excellent for market gardeners. More adaptable to varied growing conditions and less susceptible to Stewart's disease. Sturdy, 6-foot stalk. Ears 8 inches long with 10 to 14 rows of delicious yellow buttery Corn. **Pkt. 10 cts.; ½ lb. 30 cts.; lb. 50 cts.; 2 lbs. 90 cts.; 11 lbs. (pk.) $4; 44 lbs. (bus.) $13.50.**

Stowell's Evergreen Hybrid. (96 days.) Received All-America mention for 1934. Highly valuable to market gardeners and canners. Sturdy, 9-foot stalks, with close-growing, upright, 9½ inch ears, having 16 to 18 rows of white, deep, uniform, tender kernels. **Pkt. 10 cts.; ½ lb. 30 cts.; lb. 50 cts.; 2 lbs. 90 cts.; 11 lbs. (pk.) $4; 44 lbs. (bus.) $13.50.**

Top Cross Country Gentleman. (91 days.) Very desirable for whole-kernel pack because of its uniform maturity. Erect stalks, 9 feet high, with strong foliage. Well-filled 8-inch ears with deep, white, tender kernels of fine quality. **Pkt. 10 cts.; ½ lb. 30 cts.; lb. 50 cts.; 2 lbs. 90 cts.; 11 lbs. (pk.) $4; 44 lbs. (bus.) $13.50.**

OPEN-POLLENATED EXTRA-EARLY VARIETIES

Can be planted earlier than other varieties.

G. & T. Co.'s Freestate Corn. (60 days.) The largest and earliest extra-early Corn on the market. Ears are from 10 to 12 inches long, with from 14 to 16 rows of white, fairly tender grains. This Corn can be planted early in April. We highly recommend this new variety to home gardeners and truckers who want extra-early Corn. A G. & T. Co. introduction. **Pkt. 10 cts.; lb. 40 cts.; 2 lbs. 75 cts.; 14 lbs. (pk.) $4; 56 lbs. (bus.) $14.**

Extra-Early Adams. (68 days.) Stalks 5 feet tall. Ears 5 inches long, with 12 rows of white kernels which are reasonably tender and sweet when young. **½ lb. 10 cts.; lb. 15 cts.; 2 lbs. 25 cts.; 14 lbs. (pk.) $1.25; 56 lbs. (bus.) $4.50.**

Ideal or **Big Early Adams.** (73 days.) Resembles Extra-Early Adams but is larger and later. Stalks are 6½ feet tall and ears 7½ inches long, with 12 to 14 rows of kernels. **Pkt. 10 cts.; lb. 15 cts.; 2 lbs. 25 cts.; 14 lbs. (pk.) $1.25; 56 lbs. (bus.) $4.50.**

Truckers' Favorite. (75 days.) Stalk 6 to 7 feet high, with ears 8 inches long, having 14 to 16 rows of white, moderately sweet kernels. Extensively used for "roasting-ears." **Pkt. 10 cts.; lb. 15 cts.; 2 lbs. 25 cts.; 14 lbs. (pk.) $1.25; 56 lbs. (bus.) $4.50.**

EARLY VARIETIES

Black Mexican. (88 days.) Kernels bluish black, but white at eating stage, of fine quality. Ears 7½ inches, with 8 rows of kernels. Stalks 6 feet high. **Pkt. 10 cts.; lb. 20 cts.; 2 lbs. 35 cts.; 11 lbs. (pk.) $1.75; 44 lbs. (bus.) $5.50.**

Golden Bantam. (80 days.) The best-known and most popular early Corn. Stalks 5½ feet tall. Ears 6½ inches long, with 8 rows of broad, tender, buttery yellow kernels. **Pkt. 10 cts.; lb. 20 cts.; 2 lbs. 35 cts.; 11 lbs. (pk.) $1.75; 44 lbs. (bus.) $5.50.**

Golden Giant. (88 days.) Has a larger ear than Golden Bantam, but with the same delicious flavor. Stalks 7 feet tall. Ears 7 to 9 inches, with 12 to 16 rows of kernels. **Pkt. 10 cts.; lb. 20 cts.; 2 lbs. 35 cts.; 11 lbs. (pk.) $1.75; 44 lbs. (bus.) $5.50.**

G. & T. Co.'s Truckers Early. (88 days.) A very desirable variety for home gardeners and truckers. The 7-foot stalks bear ears 8½ to 9 inches long, with 12 to 16 rows of kernels of excellent flavor. **Pkt. 10 cts.; lb. 25 cts.; 2 lbs. 40 cts.; 11 lbs. (pk.) $1.90; 44 lbs. (bus.) $6.50.**

Howling Mob. (86 days.) A prolific. popular variety for home and market, Ears 8 inches, with 12 to 16 rows of clear white, plump kernels. Stalks 6 to 7 feet tall. **Pkt. 10 cts.; lb. 20 cts.; 2 lbs. 35 cts.; 11 lbs. (pk.) $1.75; 44 lbs. (bus.) $5.50.**

Whipples Early White. (87 days.) A fine variety with deep narrow white sweet kernels, stalk 6 to 7 feet, strong and erect with two ears 8 inches long with 14 to 16 rows. Popular for home and market. **Pkt. 10 cts.; lb. 20 cts.; 2 lbs. 35 cts.; 11 lbs. (pk.) $1.75; 44 lbs. (bus.) $5.50.**

Culture. Sugar Corn may be planted in rows 3 to 4 feet apart, and the seeds placed about 18 inches apart in the rows, or, planted in hills, 3 to 4 feet apart each way, according to variety grown or richness of soil. Do not let more than two or three plants remain in each hill. It can be planted in this vicinity from the first of May to last of July for succession of crop. By planting every two weeks a family may have good Corn throughout the whole season. Sow 1 pint to 150 feet, 6 quarts an acre. One pint weighs about ⅞ pound; 1 quart, 1¾ pounds.

Corn Planters. See page 83.

For best results treat Corn with Semesan Jr. See page 57.

MAIN-CROP VARIETIES

Country Gentleman or **Shoepeg.** (93 days.) Well known and widely used by canners and for home and market. Stalks 7½ feet and ears 7½ inches, with irregular deep, very sweet kernels. **Pkt. 10 cts.; lb. 20 cts.; 2 lbs. 35 cts.; 11 lbs. (pk.) $1.75; 44 lbs. (bus.) $5.50.**

Early White Evergreen. (90 days.) A very popular canning variety with stalks 8 feet high and ears 8½ inches long having 16 to 20 rows of deep ivory-colored, tender kernels. Also good for home and market gardens. **Pkt. 10 cts.; lb. 20 cts.; 2 lbs. 35 cts.; 11 lbs. (pk.) $1.75; 44 lbs. (bus.) $5.50.**

Golden Colonel. (91 days.) Received All-America Award of Merit for 1936. A golden Country Gentleman with the same stalk and ear characteristics, except in color. Kernels buttery yellow, irregular, and very tender. **Pkt. 10 cts.; lb. 25 cts.; 2 lbs. 45 cts.; 11 lbs. (pk.) $2; 44 lbs. (bus.) $6.**

Stowell's Evergreen. (95 days.) The best-known and most-used late Corn. Stalks 8 to 10 feet tall, with 9 to 9½-inch ears having 16 to 20 rows of white, deep, broad, sweet kernels. Very desirable for canners and home and market gardeners. Holds well. **Pkt. 10 cts.; lb. 20 cts.; 2 lbs. 35 cts.; 11 lbs. (pk.) $1.75; 44 lbs. (bus.) $5.50.**

POP-CORN

Yellow American Giant. Large, late, and yellow, with 8-inch ears having 12 to 16 rows of kernels. Creamy white when popped. **Lb. 20 cts.; 2 lbs. 35 cts.; 5 lbs. 75 cts.**

White Rice. An early white variety with ears 6 to 8 inches long. An attractive white when popped. **Lb. 20 cts.; 2 lbs. 35 cts.; 5 lbs. 75 cts.**

Pop-Corn Poppers, 25 cts. each.

CORN-SALAD

Culture. A favorite salad plant, and very hardy. If sown in August or September and protected with leaves during the winter, it can be gathered very early in the spring. Sown in April, it is soon ready for use. The leaves are sometimes boiled and served as spinach. Sow 3 ounces to 100 feet, 10 pounds an acre.

Large-seeded. Strong-growing and large, with gray-green leaves. Excellent to use with celery stalks as a salad or good cooked as greens. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 40 cts.; ½ lb. 65 cts.; lb. $1.25.**

CUCUMBERS

CULTURE. For very early Cucumbers, sow April 1 in a hotbed on pieces of sod (grass side down), so that they can be transplanted to the open ground in rich soil when danger of frost is over. The vines require a warm location for early Cucumbers. Plant after the ground has become warm, ½ inch deep, in hills 4 feet apart for the smaller varieties and 5 feet for the larger sorts. For pickling, sow from middle of June to last of July. Manure with wood-ashes, fertilizer, or some well-rotted compost, working the manure just under the surface. Sow 1 ounce of seed to 50 hills, 2 pounds an acre.

Abbreviations: Bs, Black-spined; Ws, White-spined

A and C. Ws. (64 days.) One of the most popular and desirable market Cucumbers. Uniform length and very dark green in color. Vigorous and very prolific. Fruit 12 by 3 inches tapering at both ends, weighs about 2½ lbs. Thick fleshed, becoming increasingly popular. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25; 5 lbs. $4.75.**

Improved Baltimore White Spine. Ws. (60 days.) An old standby, and will retain its medium green color for a long time. Fruit 8 to 9 inches long and 2½ inches in diameter. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. 90 cts.; 5 lbs. $4.**

Black Diamond or **Stays Green. Ws.** (60 days.) Very dark green Cucumber that holds its color and firmness for long time. Fruit 7 to 8 inches long and 2 inches in diameter; weight 1½ pounds. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. 90 cts.; 5 lbs. $4.**

Boston Pickling. (57 days.) **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. 90 cts.; 5 lbs. $4.**

Clark's Special or **Imperator. Ws.** (63 days.) All-America Award of Merit for 1933. Very dark green Cucumber that holds its color and firmness when shipped. Fruits 9 to 10 inches long and 2½ inches in diameter, slightly tapered at both ends. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1; 5 lbs. $4.50.**

Early Fortune. Ws. (63 days.) Used extensively for slicing and shipping. Fruit is medium green and tapering, 8 inches long and 2½ inches diameter, crisp, and weighs 1¾ pounds. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. 90 cts.; 5 lbs. $4.**

Early Cluster. Bs. (55 days.) A fine pickling variety that is also good for slicing. Fruits 5½ by 2¾ inches, pale green. Prolific. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. 90 cts.; 5 lbs. $4.**

Early Green Prolific. Bs. (56 days.) A uniform variety, excellent for pickles. Fruit smooth and cylindrical, 8 by 2¾ inches, and weighs 1½ pounds. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. 90 cts.; 5 lbs. $4.**

Everbearing. Bs. (55 days.) A small early variety used for pickles. Fruit 4½ by 2 inches and weighs 1¼ pounds. Prolific. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. 90 cts.; 5 lbs. $4.**

Improved Long Green. Bs. (70 days.) The standard late variety for the home-garden. Provides tasty, tender, crisp slices for salads. Fruit deep green and tapered, 12 by 3 inches, and weighs 3 to 3½ pounds. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1; 5 lbs. $4.50.**

Jersey Pickling. Bs. (56 days.) A slender early pickling variety producing uniform, medium green, tapered fruit 9 by 3 inches and weighing 1¾ pounds. A standard variety. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. 90 cts.; 5 lbs. $4.**

West India Gherkin. (60 days.) Used for small pickles. Fruit pale green, oval, uniform, and covered with prickly spines. Measures 2 by 1 inch and weighs 3 to 4 ounces. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 60 cts.; lb. $1.75.**

CRESS

Curled or **Pepper Grass.** (42 days.) A hardy, quick-growing annual with deep green, finely curled leaves having a pleasing pungent flavor. Sow very thickly in shallow drills, on a smooth surface, at short intervals throughout the season. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; ½ lb. 50 cts.; lb. 90 cts.**

Upland. (60 days.) Dwarf plant with slender stalks and oval, notched leaves used for salads. Sow in August, in drills 18 inches apart. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; ½ lb. 65 cts.; lb. $1.25.**

True Water Cress. (55 days.) A perennial water-plant with long stems and spicy flavored, thick leaves. Extensively used for salads and garnishing. May be grown along the margin of running streams or ponds, and has a ready sale in hotels and markets. **Pkt. 10 cts.; oz. 35 cts.; ¼ lb. $1; ½ lb. $1.90; lb. $3.50.**

All of our seeds, bulbs and plants are the finest obtainable. that's why so many successful gardeners depend on Griffith & Turner Co. for all their needs.

EGGPLANT

CULTURE. Sow the seed in hotbeds early in March, and when 3 inches high, pot the young plants, using small pots, and put them in the same bed, so that the plants will become stocky. They can be planted out when the season becomes sufficiently warm, in May or June, ½ inch deep, 2 feet apart in rows 3 feet apart. Sow 1 ounce for 1000 plants, 8 ounces an acre; 5000 to 6000 plants an acre.

For plants, see page 41.

G. & T. Co.'s Baltimore. (*83 days.) Popular for market and home use. Produces 4 to 8 large, well-formed, glossy blackish purple, tasty fruits slightly larger than Black Beauty. **Pkt. 10 cts.; oz. 40 cts.; ¼ lb. $1.10; lb. $3.75.**

Black Beauty. (*80 days.) Valuable to home gardeners and truckers for the early market. Each plant produces 4 or 5 large, egg-shaped, dark purple fruits. **Pkt. 10 cts.; oz. 35 cts.; ¼ lb. $1; lb. $3.50.**

New York Improved Spineless. (*85 days.) Plants bear 4 to 6 dark purple fruits of good quality. The standard for home and market. **Pkt. 10 cts.; oz. 35 cts.; ¼ lb. $1; lb. $3.50.**

ENDIVE

CULTURE. For early use, sow as soon as ground can be worked in the spring, in drills 15 inches apart, and then thin plants 6 to 8 inches apart in row. To blanch the leaves, gather carefully together when perfectly dry and tie with soft fibrous material. Sow 1 ounce to 150 feet, 4 pounds an acre.

Broad-leaved Batavian. (90 days.) Its dense leaves blanch to ivory, and the well-rounded heads often measure 12 inches in diameter. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; ½ lb. 50 cts.; lb. 90 cts.**

Green Curled. (95 days.) The dark green, curly leaves, finely cut and feathery, form heads 15 inches in diameter and blanch creamy white. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; ½ lb. 50 cts.; lb. 90 cts.**

FENNEL

CULTURE. About same as that of celery. Sow 1 ounce to 100 feet, 3 pounds an acre.

Finocchio or **Florence.** Plants grow 2½ to 3 feet tall, with broad, overlapping stalks. Used in salads, soups, etc. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 50 cts.; ½ lb. 90 cts.; lb. $1.75.**

HERBS

Herbs should have a place in every garden. Their value in seasoning and flavoring is well known and appreciated. Sow in spring in shallow drills 1 foot apart, and when well up, thin out or transplant to a proper distance.

	Pkt.	Oz.	¼ lb.
Anise	$0 10	$0 15	$0 40
Basil	10	15	
Borage. Fine for bees	10	20	
Caraway	10	15	30
Catnip	10	50	
Chervil	10	30	
Chicory or **Witloof**	10	25	50
Coriander	10	15	25
Dill. ½ lb. 45 cts.; lb. 75 cts	10	15	25
Fennel, Florentine	10	15	
Horehound	10	40	
Lavender	10	40	
Marjoram	10	25	
Rosemary	10	40	
Sage, Broadleaf	10	20	60
Summer Savory	10	20	
Thyme, Broad-leaved English	10	40	1 25

*Designates number of days from plant setting to marketable vegetables. Otherwise the time is from seed sowing to marketable vegetables.

KALE or BORECOLE

CULTURE. For early spring use, sow broadcast in August and protect during winter. It must be sown in April or May for later use, about ½ inch deep, in rows 2½ feet apart; thin to 8 to 10 inches. 1 ounce to 200 feet; 3 to 6 pounds to acre.

Dwarf Blue Curled Scotch. (56 days.) Leaves beautiful tender blue-green and very finely curled. An excellent Kale 16 to 20 inches high. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 75 cts.; 5 lbs. $3.25; 25 lbs. $15.**

Dwarf Curled Norfolk or **Scotch.** (57 days.) A low-growing, green, curled variety. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts. lb. 75 cts.; 5 lbs. $3.25; 25 lbs. $15.**

Dwarf German or **Siberian.** (65 days.) Large, vigorous, low-growing, spreading plant with bluish green, finely cut leaves. Height, 15 to 18 inches. **Oz. 10 cts.; ¼ lb. 20 cts.; lb. 50 cts.; 5 lbs. $2; 25 lbs. $8.75.**

Extra-Curled New American. (63 days.) Blue-green leaves, very finely cut and of excellent flavor. Plant very productive. Height, 15 to 18 inches. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 20 cts.; lb. 60 cts.; 5 lbs. $2.50; 25 lbs. $11.25.**

Semi-Dwarf Moss Curled (Borecole). (65 days.) Has beautiful, densely curled and crimped, light green leaves of tasty flavor. Sow in bed and transplant, and treat as Savoy cabbage. A very hardy sort, and one of the most marketable. Produces second crop of leaves after the first have been gathered. Plant grows about 18 inches high. **Pkt. 10 cts.; oz. 35 cts.; ¼ lb. $1; lb. $3.**

Spring Smooth or **Hanover Salad.** (45 days.) A quick-growing hardy sort with tender light green foliage. Sow every 10 days to insure young and tender leaves. **Oz. 10 cts.; ¼ lb. 15 cts.; lb. 30 cts.; 5 lbs. $1; 25 lbs. $3.75.**

Tall Green Curled Scotch. (60 days.) Plants 36 to 48 inches high. Hardy variety having leaves deeply cut at the edges, light green in color, and extremely tender, with fine flavor after exposure to frosty weather. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 75 cts.; 5 lbs. $3.25; 25 lbs. $15.**

KOHLRABI

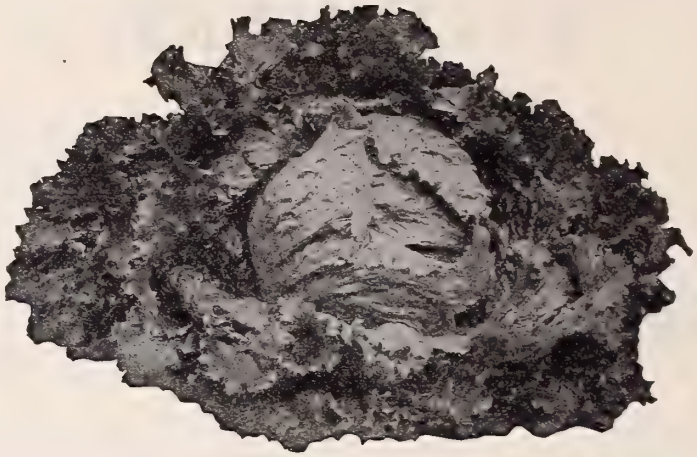
CULTURE. Sow the seed as early in spring as possible, in light rich soil, ½ inch deep in rows 1½ feet apart; thin to 6 inches apart in rows. Plant at intervals of 10 days until hot weather. Sow 1 ounce to 200-foot row, 4 pounds an acre.

Improved White Vienna. (58 days.) The best and earliest dwarf forcing variety. Popular for both home and market garden. Bulbs 2 to 3 inches in diameter. Flesh clear white, tender, and crisp. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 45 cts.; ½ lb. 80 cts.; lb. $1.50.**

LEEK

CULTURE. Select good onion soil, manure liberally, and plant in April in rows ½ inch deep and 18 inches apart, and thin to 6 inches apart in the rows. Gradually draw the earth around the plants when cultivating. Sow 1 ounce to 150-foot row, 4 pounds an acre.

Extra-Large American. The most popular early variety with thick, white, very attractive stems and medium green leaves. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 60 cts.; ½ lb. $1.10; lb. $2.**



LETTUCE

Abbreviations: Ws., White seed; Bs., Black seed

CULTURE. Lettuce requires rich, rather moist soil, and, to be of the best quality, must be grown quickly. It requires an abundance of moisture and a high percentage of available nitrogen in fertilizer or manure. To have a succession of crops, start plants early in March and make a small sowing every two weeks, changing the variety according to season. Plant in rows 12 to 18 inches apart, 10 to 12 inches apart in rows, ¼ inch deep. Sow 2 ounces to 100 yards, 3 pounds an acre.

For plants, see page 41

Big Boston. Ws. (75 days.) A popular variety for forcing and growing outdoors, for shipping and local use. Heads medium, compact; leaves smooth, glossy, tender, with a few outer leaves tinged with brown; heart light golden yellow. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.**

G. & T. Co.'s Black-Seeded Summer. (70 days.) A cabbage type, remaining unusually long before going to seed. Light green, crumpled leaves, crisp and tender, forming medium-sized head. Withstands heat. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 50 cts.; lb. $1.50.**

Early Curled Simpson. Bs. (46 days.) A popular non-heading sort with broad, light green leaves, crumpled, tender, and crisp. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.**

Early Curled Simpson or **Silesia. Ws.** (46 days.) The most widely used of the non-heading varieties. Early, hardy, and dependable. Leaves light green, tender, crisp, forming a compact bunch. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.**

Early Prize Head. Ws. (47 days.) A non-heading sort with yellowish green leaves, crumpled at the ends. Fine for home use. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.**

Grand Rapids. Bs. (43 days.) A most popular loose-leaved variety for either forcing or outdoors. Leaves light green, broad, curly, fringed, tender, and sweet. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.**

G. & T. Co.'s White-Seeded Summer. (76 days.) Very desirable for markets. Leaves light green, tender, and crisp, forming medium-sized heads with buttery yellow hearts. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 50 cts.; lb. $1.50.**

Hanson. Ws. (80 days.) A standard sure-heading variety for home gardens and truckers. Heads compact, with broad, large, tender, very light green, curly leaves having fringed edges. Good for midsummer planting. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.**

Iceberg. Ws. (84 days.) A late variety with compact heads made up of sweet, light green, fringed leaves tinged brown at edges; white at center. Desirable for home and market gardeners. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.**

May King. Ws. (62 days.) Leaves light green, tinged with brown at edges. Heads small, compact, with golden interior. An early-heading variety of fine quality for outside or greenhouses. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.**

New York, Wonderful, or **Los Angeles. Ws.** (79 days.) Erroneously called "Iceberg." The most popular shipping variety. Its large, well-balanced heads have dark green leaves slightly curled at the edges. Blanches well and is sweet, tender, and crisp. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 50 cts.; lb. $1.50.**

New York No. 515. Ws. (75 days.) Dark green leaves and medium large heads with few outer leaves, compact, attractive, tender, and crisp. An outstanding mid-season variety which will withstand heat and is resistant to tip-burn. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 50 cts.; lb. $1.50.**

Romaine or **Paris White Cos. Ws.** (65 days.) A strong grower, productive, with long, shell-shaped, medium green leaves of fine quality. If tied up, inner leaves blanch to pure white. Heads 8 to 9 inches high. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 40 cts.; lb. $1.10.**

White Boston or **Unrivaled.** (75 days.) Has same characteristics as Big Boston but is a lighter green, and leaves do not have bronze edges. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 50 cts.; lb. $1.50.**

Write for Prices in Quantity

MUSKMELON or CANTALOUPE

CULTURE. Sow about the last of spring or the first of summer, in hills of light, rich, sandy soil, 1 inch deep, 4 feet apart, allowing but three plants to grow in each hill. After they have grown about a foot long, pinch off the points of shoots, which causes the vines not only to become stronger, but makes them produce lateral branches that prove more productive and mature the fruit earlier. It should not be grown near squashes, cucumbers, or pumpkins, as the flavor will be affected in consequence. Sow 1 ounce to 50 hills, 2 pounds an acre.

SALMON-FLESHED

Banana. (98 days.) Smooth, banana-shaped fruit, 15 to 20 inches by 5 inches, weighting 6 to 7 pounds, and of delicious banana-like flavor. Good for late planting. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. $1; 5 lbs. $4.50.**

Bender's Surprise. (94 days.) Fruit oblong, 8 by 6 inches, with ends rounded, and weighing 7 pounds. Skin hard, greenish yellow, distinctly ribbed, with coarse netting; delicious flavor. Can be shipped. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. $1; 5 lbs. $4.50.**

Emerald Gem. (85 days.) A good early variety for home and market gardens. Fruit rounded, 4½ by 5½ inches, flattened at ends, distinctly ribbed and slightly netted; small seed-cavity; very sweet; weight 2 pounds. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. $1; 5 lbs. $4.50.**

Hale's Best. (80 days.) Fruit oval, 6½ by 5 inches, indistinctly ribbed but heavily netted, weighing 3 to 4 pounds. Flesh thick, sweet, and of fine flavor. Planted extensively for early shipping. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. $1; 5 lbs. $4.50.**

Hearts of Gold or **Hoodoo.** (94 days.) Fine for market gardens and shipping. Fruit round, 6 by 6 inches, weighing 2 pounds; distinctly ribbed, and covered with fine gray netting. Flesh thick, deep, sweet, and juicy. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. $1; 5 lbs. $4.50.**

Pride of Wisconsin. (90 days.) A pink-fleshed variety 6½ by 6 inches, weight 3¾ lbs. Recently introduced and most attractive. The rind is hard, light green to yellow. Very desirable for shipping, home gardens and market. An improvement over honey or sugar rock, and is becoming increasingly popular. The flavor is delicious. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 35 cts.; lb. $1.25; 5 lbs. $5.50.**

GREEN-FLESHED

Acme or **Baltimore Nutmeg.** (90 days.) Oblong, densely netted and ribbed fruit, 7½ by 5 inches, weighing 3½ pounds. Very popular with market gardeners. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. $1; 5 lbs. $4.50.**

Anne Arundel. (84 days.) Fruits oblong, deeply netted, 7 by 11 inches, with green flesh of fine flavor. Fine for market or home use. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. $1; 5 lbs. $4.50.**

Bottomly. (87 days.) Fruits round, 6 by 8 inches, prominently ribbed, and well netted. The green flesh has a spicy flavor. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. $1; 5 lbs. $4.50.**

Honey Ball. (105 days.) Fruit 5 by 4¾ inches, weight 3 pounds. A fall or winter variety. Keeps well and is an excellent shipper. The fruit is white with heavy netting and hard rind. Flesh thick green with sweet spicy flavor. Very popular. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 35 cts.; lb. $1.25; 5 lbs. $5.50.**

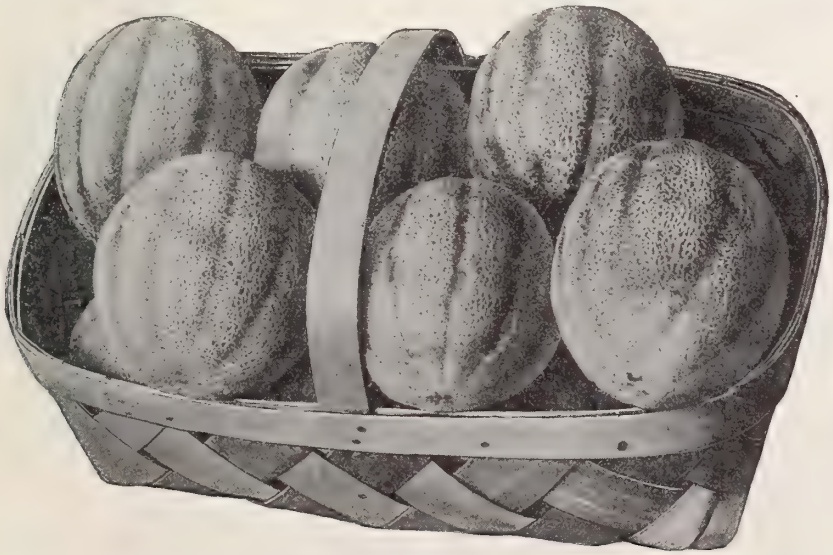
Green Honeydew. (112 days.) A winter or fall variety with fruit 9 by 8½ inches. Surface smooth and hard, with practically no netting. Beautiful green flesh, thick, juicy and tender. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 35 cts.; lb. $1.25; 5 lbs. $5.50.**

Jasper. (80 days.) One of the largest round melons grown, the fruit being 10 inches in diameter, with green flesh of fine flavor, tinted orange at center. Seven or 8 melons will fill a half-bushel basket. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 35 cts.; lb. $1.25; 5 lbs. $5.50.**

Knight. (75 days.) Fruit 5½ by 5 inches, oval, well ribbed and netted, with green flesh, shaded orange at center. Fine for home and shipping. One of the earliest. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. $1; 5 lbs. $4.50.**

Long John. (85 days.) Fruits 7 by 12 inches; oblong, deeply netted and ribbed, with thick green flesh of fine flavor, and small seed-cavity. A good shipper. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 35 cts.; lb. $1.25; 5 lbs. $5.50.**

Rocky Ford Gold Lined. (92 days.) Fruit 5½ by 5 inches, nearly round, with no ribs, and heavily covered with netting. Flesh deep, juicy, tender, and sweet. A very popular melon for home and market. Weighs 2½ pounds. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. $1; 5 lbs. $4.50.**



Cantaloupe

MUSHROOM SPAWN

CULTURE. Select fresh horse-manure, with straw bedding and put in a flat pile, covering with 2 to 3 inches of good soil. In the course of 3 to 4 days, turn over and mix thoroughly. Moisten with water, pile up, and cover again with soil and allow the pile to heat. Turn again in 5 to 6 days. Put this mixture on floor about 8 inches deep in beds the size desired, and pack down with shovel. When the heat rises to 100 degrees, wait until it recedes to about 70, then place the spawn. Keep moist. Make your bed in cellar, shed, pit, or some building that can be darkened.

Mushroom Spawn. (40 to 60 days.) Our bricks produce the best creamy white fine-flavored Mushrooms. **Cake 25 cts.; 10 cakes $2.25.**

MUSTARD

CULTURE. Seed may be sown as soon as ground can be worked in spring, ½ inch deep, in rows 18 inches apart and thinned to 6 to 8 inches in rows. Sow 1 ounce to 100 feet, 4 to 5 pounds an acre.

Ostrich Plume or **Fordhook Fancy.** Very dark green, plume-like leaves of tender quality and fine flavor. **Oz. 10 cts.; ¼ lb. 20 cts.; ½ lb. 30 cts.; lb. 50 cts.**

Southern Giant Curled. Highly esteemed in the South where the seed is sown in the fall and used in the spring as a salad. Our stock is the true curled leaf and produces plants 2 feet high and of great breadth, forming enormous bunches. **Oz. 10 cts.; ¼ lb. 20 cts.; ½ lb. 30 cts.; lb. 50 cts.**

White Mustard Seed. For pickles. **Oz. 10 cts.; ¼ lb. 20 cts.; ½ lb. 30 cts.; lb. 50 cts.**

NASTURTIUM

CULTURE. Plant in May, the climbing varieties to cover arbor or fence, and the dwarf for beds or hanging-baskets. The leaves are used for salad, and the seeds, when soft enough to be penetrated by the nail, for pickles.

Dwarf Mixed. Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; ½ lb. 50 cts.; lb. 90 cts.

Tall Mixed. Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; ½ lb. 50 cts.; lb. 90 cts. See page 13 for other varieties.

Onion

ONION SEED

CULTURE. To grow large Onions from seed, it should be sown as early as possible in the spring, as Onions grow much better during the cool weather, and should make most of their growth before the hot weather sets in. Sow 1 ounce to 100 feet, 5 pounds an acre, in rows 12 to 14 inches apart, 2 to 4 inches apart in rows. Onions for sets, sow 40 to 50 pounds an acre, in rows 10 to 12 inches apart.

Bottle. (110 days.) Produces medium to large, bottle-shaped bulbs. Flesh is pink, very mild in flavor. **Pkt. 10 cts.; oz. 40 cts.; ¼ lb. $1.10; lb. $3.50; 5 lbs. $15.75.**

Ebenezer or **Japanese.** (118 days.) Bulbs deep, flat, medium, dark yellow, firm with thick skin. Produces sets of fine keeping quality. Sets mature early. A fine Onion for the market. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 60 cts.; lb. $2; 5 lbs. $9.**

Prizetaker. (105 days.) A popular shipping variety. Bulbs large, round, glossy yellow. Very productive. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 60 cts.; lb. $2; 5 lbs. $9.**

Red Wethersfield. (100 days.) A good-keeping variety. Bulbs purplish red, medium large, and flat on bottom. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 50 cts.; lb. $1.75; 5 lbs. $8.**

White Silverskin or **Portugal.** (100 days.) The best white Onion. Fine for bunching, pickling, or storage. Bulbs medium size, clear white, hard, and of pleasing flavor. Productive. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 60 cts.; lb. $2; 5 lbs. $9.**

Yellow Globe Danvers. (112 days.) A good cropper, hardy and fine for storage. Bulbs medium large, round, yellow and firm. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 60 cts.; lb. $2; 5 lbs. $9.**

ONION SETS

CULTURE. Onion Sets require clean, very rich soil, which should be thoroughly cultivated. Disturb the roots of the Onion as little as possible, either in thinning or hoeing, and never hoe earth toward them to cover or hill. Sow 1 quart to 50 feet, 12 to 15 bushels to acre.

Bottle Neck. Qt. 20 cts.; 2 qts. 35 cts.; ½ pk. 50 cts.; pk. 90 cts.

Japanese or **Ebenezer. Qt. 15 cts.; 2 qts. 25 cts.; ½ pk. 40 cts.; pk. 75 cts.**

Red. Qt. 15 cts.; 2 qts. 25 cts.; ½ pk. 40 cts.; pk. 75 cts.

White. Qt. 15 cts.; 2 qts. 25 cts.; ½ pk. 45 cts.; pk. 85 cts.

Yellow. Qt. 15 cts.; 2 qts. 25 cts.; ½ pk. 40 cts.; pk. 75 cts.

Write for prices on larger quantities

OKRA or GUMBO

CULTURE. Select a warm location and rich soil; plant when the ground becomes warm, ½ inch deep, in rows 3 feet apart, thinning plants a foot apart in the row. As the seeds are liable to rot in cool weather, they should be sown thickly. The pods are used to thicken soup, being gathered when young. One of the most wholesome vegetables. Sow 2 ounces to 100 feet, 8 to 10 pounds an acre.

Dwarf Green. (50 days.) An early dwarf variety growing 2½ to 3 feet high. Pods dark green, pointed, 5 to 7 inches long. Prolific. **Oz. 10 cts.; ¼ lb. 20 cts.; ½ lb. 30 cts.; lb. 50 cts.**

White Velvet. (60 days.) Pods 6 to 7 inches long, meaty, tender, smooth, round, and pointed. Plants 3 to 3½ feet. Excellent for home-garden. **Oz. 10 cts.; ¼ lb. 20 cts.; ½ lb. 30 cts.; lb. 50 cts.**

PEPPER

CULTURE. Peppers revel in rich soil and an abundance of moisture. Start seedlings in hotbed about March 1 and transplant to garden about middle of May, 15 to 18 inches apart in rows 18 to 30 inches apart. Sow 1 ounce to produce 1000 plants, 8 ounces an acre; 11,000 to 12,000 plants an acre.

For plants, see page 41

Bull Nose, Sweet. (*62 days.) Fruit blunt, 4-lobed, deep green, changing to bright red, 3 inches long and 2¾ inches in diameter. For home and market. **Pkt. 10 cts.; oz. 30 cts.; ¼ lb. 85 cts.; lb. $3.**

California Wonder. (*75 days.) Fruit mostly 4-lobed, 4½ inches long and 3¾ inches in diameter, sweet, deep green changing to bright crimson. The outstanding medium-late variety for market garden and shipping. **Pkt. 10 cts.; oz. 30 cts.; ¼ lb. $1; lb. $3.50.**

Chinese Giant. (*80 days.) Large, sweet, chunky fruit 5 inches long and 4½ inches in diameter, deep green changing to deep scarlet. For home or market. **Pkt. 10 cts.; oz. 40 cts.; ¼ lb. $1.25; lb. $4.**

Long Red Cayenne. (*70 days.) Fruit tapering and often twisted, 5 inches long and ¾ inch in diameter, very pungent, deep green changing to brilliant red. A favorite "hot" variety for canning, pickling and drying. **Pkt. 10 cts.; oz. 30 cts.; ¼ lb. $1; lb. $3.50.**

Pimento. (*73 days.) Smooth fruit, tapered to a point, 3½ inches long, 2½ inches in diameter, dark green changing to bright crimson. Flesh exceptionally thick, sweet, and mild. Very desirable for canning, also for home and market gardens. **Pkt. 10 cts.; oz. 30 cts.; ¼ lb. 85 cts.; lb. $3.**

Red Cherry. (*82 days.) Round, pungent and hot, smooth, solid fruit 1 by 1 inch, deep green changing to deep scarlet. Popular for use in pickles. **Pkt. 10 cts.; oz. 30 cts.; ¼ lb. $1; lb. $3.50.**

Red Chili. (*82 days.) Conical fruit 2½ inches long, ½ inch in diameter, very pungent and hot, light green changing to deep red. Excellent for sauce. **Pkt. 10 cts.; oz. 40 cts.; ¼ lb. $1.25; lb. $4.**

Ruby King. (*69 days.) Fruit usually 3-lobed, 5 inches long, diameter 3 inches, deep green becoming ruby-red when ripe. A fine sweet Pepper often producing 10 to 15 fruits per plant. **Pkt. 10 cts.; oz. 30 cts.; ¼ lb. 85 cts.; lb. $3.**

World Beater. (*75 days.) Smooth fruit 5 inches long and 3½ inches in diameter, 4-lobed, glossy green becoming bright red at maturity; bright, thick, sweet flesh. An excellent large sort for all gardens and shipping. **Pkt. 10 cts.; oz. 30 cts.; ¼ lb. 85 cts.; lb. $3.**

PARSLEY

CULTURE. Select rich soil and sow seeds in drills 1 foot apart, covering ½ inch deep. It would be well to firm the soil with the foot after sowing the seed. As the seed is usually from 15 to 25 days in germinating, it will be necessary to sow early. Thin plants to 4 inches apart when 2 inches high. The beauty of the plant may be increased by successive transplantings. Principally used for flavoring soups, etc. and for garnishing in its natural state. Sow 1 ounce to 100 feet, 8 pounds to acre.

G. & T. Co.'s Baltimore Emerald Green Triple Curled. A new and improved variety with very dark green, finely cut leaves. The top-notch Parsley. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. 85 cts.; 5 lbs. $3.75.**

Hamburg-Rooted or **German.** The root resembles a small parsnip and is the edible part. Used for flavoring soups. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 75 cts.; 5 lbs. $3.25.**

Moss or **Triple Curled.** A very select crimped variety. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 20 cts.; lb. 65 cts.; 5 lbs. $2.75.**

Plain or **Single.** Leaves dark green and flat, finely cut, but not curled. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 20 cts.; lb. 65 cts.; 5 lbs. $2.75.**

PARSNIP

CULTURE. Parsnips will flourish best and give the longest, largest, and smoothest roots in a very deep, rich soil—one that has been made rich from manure the previous year. Sow as early in the spring as the ground can be made ready, pretty thickly in drills from 12 to 18 inches apart, and about ½ inch deep. Thin the plants to 5 to 6 inches apart. Sow 1 ounce to 200 feet, 4 to 5 pounds an acre.

Hollow-Crown or **Sugar.** (95 days.) The best variety. Roots 12 to 14 inches long, and 2½ to 3 inches thick. Uniform, tapered, tender, and buttery. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 75 cts.; 5 lbs. $3.25.**

*Designates number of days from plant setting to marketable vegetables. Otherwise the time is from seed sowing to marketable vegetables.

Pepper

Grow your own vegetables for cool, crisp summer salads. See our Special Salad Collection, page 36.

Peas Fresh from Your Garden Have a More Delicious Flavor

PEAS for the Garden

CULTURE. The dwarf varieties should be liberally manured; the tall sorts will run too much to vine if heavily manured, it being better to depend on the richness of the land that was previously in good condition. Plant the dwarfs in rows 2 feet apart; those varieties attaining a height of from 2 to 3 feet in rows 3 feet apart; and the rows of the tallest sorts 4 feet apart. Bushing the tall kind when 6 inches high, on poles set out every 6 to 8 feet, with twine fastened to them about 4 inches apart, will answer nicely. The smooth varieties can be planted in February and March; the wrinkled ones in April and May. Plant several sorts at the same time, or the same variety every 19 days, for successive crops. Peas do not like hot, dry weather. For late crop, plant in August, 1 pint to 75 feet, 1½ to 2 bushels an acre. One pound is about 1 pint; 2 pounds, 1 quart; 15 pounds, 1 peck.

Extra-Early Smooth-Seeded

Alaska. (56 days.) *Wilt-resistant.* Pods 2¾ inches long, light green, straight, blunt, containing 6 to 8 smooth, tender, green Peas. Vines 26 inches high. For canning. **Pkt. 10 cts.; lb. 25 cts.; 2 lbs. 40 cts.; 15 lbs. (pk.) $2. 60 lbs. (bus.) $6.50.**

Bountiful. (58 days.) Slightly curved pods, 3¼ inches long, pointed, medium green, containing 7 or 8 round, smooth, blue-green, tender Peas. Vines grow 2½ feet high. **Pkt. 10 cts.; lb. 25 cts.; 2 lbs. 40 cts.; 15 lbs. (pk.) $2.15; 60 lbs. (bus.) $7.**

Early Bird or **Laxton's Superb.** (60 days.) Seed semi-wrinkled. Light green vines 18 inches high. Pods 4 inches long, curved and pointed, with 9 or 10 Peas of good quality. For market and home gardeners. **Pkt. 10 cts.; lb. 25 cts.; 2 lbs. 40 cts.; 15 lbs. (pk.) $2.25; 60 lbs. (bus.) $7.50.**

First and Best. (58 days.) *Wilt-resistant.* Light green vines 2 feet high and 3-inch pods, straight, blunt, round, light green, containing 6 or 7 smooth Peas of fair quality. A very hardy variety. **Pkt. 10 cts.; lb. 25 cts.; 2 lbs. 40 cts.; 15 lbs. (pk.) $2.15; 60 lbs. (bus.) $7.**

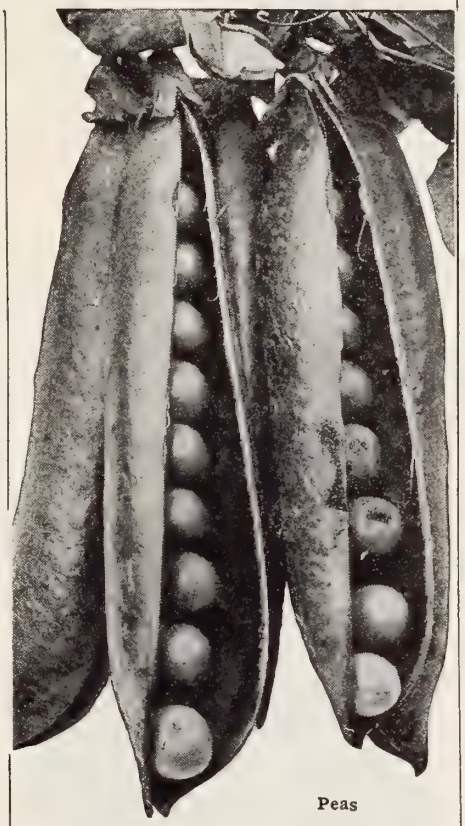
Large-Pod Alaska. (57 days.) Vines light green, 2½ feet high, bearing 4-inch pods, slightly curved, pointed, medium green, containing 7 or 8 round, smooth, bluish green Peas of good quality. **Pkt. 10 cts.; lb. 25 cts.; 2 lbs. 40 cts.; 15 lbs. (pk.) $2.15; 60 lbs. (bus.) $7.**

Early Wrinkled

American Wonder. (62 days.) Medium green, sturdy vines, 12 to 15 inches high, with pods 2¾ inches long, blunt, straight, plump, medium green, containing 6 or 7 tender Peas of good quality. High yielder. **Pkt. 10 cts.; lb. 25 cts.; 2 lbs. 40 cts.; 15 lbs. (pk.) $2.25; 56 lbs. (bus.) $7.50.**

G. & T. Co.'s Early Jumbo. (63 days.) Vines very dark green and stocky, 20 inches high. Pods single, broad, plump, pointed, slightly curved, very deep green, 5 inches long, with 8 or 9 large, tender, succulent Peas. Exceptional favorite for shipping and for home and market gardeners. **Pkt. 10 cts.; lb. 30 cts.; 2 lbs. 45 cts.; 15 lbs. (pk.) $2.50; 56 lbs. (bus.) $8.**

WRITE FOR PRICES IN LARGER QUANTITIES



Peas

G. & T. Co.'s Maryland Pride. (61 days.) A favorite for many years with both home gardeners and truckers. Deep green vines 2½ feet high and heavy pods 3¾ inches long, straight, blunt, deep green, broad, containing 7 or 8 large, delicious, sweet Peas of fine quality. Very popular with home and market gardeners. **Pkt. 10 cts.; lb. 30 cts.; 2 lbs. 40 cts.; 15 lbs. (pk.) $2.50; 56 lbs. (bus.) $8.**

Gradus or **Prosperity.** (65 days.) Vigorous, light green vines 2½ feet high. Pods 4 inches long, pointed, broad, light green, and slightly curved, with 8 to 10 large, sweet Peas. Popular for market and home gardens. **Pkt. 10 cts.; lb. 25 cts.; 2 lbs. 40 cts.; 14 lbs. (pk.) $2.25; 56 lbs. (bus.) $7.50.**

Improved Laxtonian. (62 days.) High, sturdy vines 18 inches high and pods 4½ to 5 inches long, dark green, curved and pointed, containing 7 to 9 large, excellent quality Peas. Fine for home and market gardeners, and shipping. **Pkt. 10 cts.; lb. 25 cts.; 2 lbs. 40 cts.; 14 lbs. (pk.) $2.25; 56 lbs. (bus.) $7.50.**

Little Marvel. (62 days.) Vines 16 inches high, dark green and sturdy. Pods 3 inches long, straight, blunt, containing 7 or 8 tender sweet Peas. An outstanding variety for home garden and early shipping. **Pkt. 10 cts.; lb. 25 cts.; 2 lbs. 40 cts.; 14 lbs. (pk.) $2.25; 56 lbs. (bus.) $7.50.**

Nott's Excelsior. (62 days.) Vines 16 inches high, dark green. Pods medium dark green, pointed and curved, containing 7 or 8 succulent Peas. **Pkt. 10 cts.; lb. 25 cts.; 2 lbs. 40 cts.; 14 lbs. (pk.) $2.25; 56 lbs. (bus.) $7.50.**

Premium Gem. (64 days.) Medium green vines 2 feet high with 3-inch pods, slightly curved, blunt, medium green, and containing 6 or 7 good-quality, tender Peas. Used in home gardens and for canning. **Pkt. 10 cts.; lb. 25 cts.; 2 lbs. 40 cts.; 14 lbs. (pk.) $2.25; 60 lbs. (bus.) $7.50.**

Thomas Laxton. (62 days.) Dark green vines 2½ to 3 feet high. Pods 3½ inches long, dark green, blunt, straight, containing 7 or 8 large, tender, sweet Peas. Excellent for home and market gardens, shipping and canning. **Pkt. 10 cts.; lb. 25 cts.; 2 lbs. 40 cts.; 14 lbs. (pk.) $2.25; 56 lbs. (bus.) $7.50.**

World's Record. (60 days.) Like Gradus but four to five days earlier. Light green vines 24 inches high. Pods 4 inches, medium green, broad and plump, containing 7 to 8 tender sweet Peas. Fine for home and early market. **Pkt. 10 cts.; lb. 25 cts.; 2 lbs. 40 cts.; 14 lbs. (pk.) $2.25; 56 lbs. (bus.) $7.50.**

For best results use Legume Culture for Peas. See page 57.

Main-Crop Wrinkled

Champion of England. (80 days.) *Wilt-resistant.* Medium green vines 50 inches high and 3-inch pods, slightly curved, blunt, light green, containing 7 or 8 tender Peas. **Pkt. 10 cts.; lb. 25 cts.; 2 lbs. 40 cts.; 14 lbs. (pk.) $2.25; 56 lbs. (bus.) $7.50.**

Dwarf Telephone. (75 days.) *Wilt-resistant.* Vines sturdy, dark green, 27 inches high. Pods 5 inches long, straight, pointed, dark green, with 9 or 10 tender, succulent Peas. For shipping and home gardens. **Pkt. 10 cts.; lb. 25 cts.; 2 lbs. 40 cts.; 14 lbs. (pk.) $2.25; 56 lbs. (bus.) $7.50.**

Telephone or **Alderman.** (76 days.) *Wilt-resistant.* Medium green vine, 60 to 70 inches high, with 5½-inch pods, darkish green, pointed, slightly curved, and thick walled, containing 8 to 10 tender sweet Peas of best quality. Fine for home and market gardens and shipping. **Pkt. 10 cts.; lb. 25 cts.; 2 lbs. 40 cts.; 14 lbs. (pk.) $2.25; 56 lbs. (bus.) $7.50.**

Edible-Podded Peas

Mammoth Luscious Sugar. (73 days.) *Wilt-resistant.* Vines 4½ feet high, bearing broad, light green, blunt, straight pods, 5 inches long, containing 8 Peas. Fine for home and market gardens. **Pkt. 10 cts.; lb. 25 cts.; 2 lbs. 40 cts.; 14 lbs. (pk.) $2.25; 56 lbs. (bus.) $7.50.**

Mammoth Melting Sugar. (73 days.) *Wilt-resistant.* Light green vines 4½ feet high. Pods broad, light green, blunt, brittle, free from fiber, containing 7 good-quality Peas. The best variety for home and market garden and very delicious. **Pkt. 10 cts.; lb. 25 cts.; 2 lbs. 40 cts.; 14 lbs. (pk.) $2.25; 56 lbs. (bus.) $7.50.**

Dwarf Gray Sugar. (65 days.) *Wilt-resistant.* Vines 28 inches high with long, light green, curved, pointed pods 3 inches long. A prolific and good-quality early variety for the home garden. **Pkt. 10 cts.; lb. 25 cts.; 2 lbs. 40 cts.; 14 lbs. (pk.) $2.25; 56 lbs. (bus.) $7.50.**

PUMPKIN

CULTURE. Plant in May, 1 inch deep, in hills 8 feet apart. Use 10 seeds to each hill, as bugs often destroy the young plants, but allow only 2 or 3 healthy plants to remain in each hill. They are usually planted in fields with corn or potatoes. Sow 1 ounce to 100 feet, 4 pounds an acre.

Connecticut Field. (118 days.) Length 12 inches, diameter 12 to 15 inches; weight 15 to 25 pounds. Orange fruits with thick, coarse, sweet flesh. Usually planted in cornfields for stock; used also for pies and canning. **Oz. 10 cts.; ¼ lb. 20 cts.; lb. 50 cts.; 5 lbs. $2.00.**

G. & T. Co.'s Maryland Sweet Potato. (110 days.) A solid, crooknecked sort, 18 inches long by 10 to 12 inches in diameter, weighing from 15 to 25 pounds. Skin green with white stripes. Flesh rich yellow, thick, fine-grained, and sweet. Excellent for pies. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. 75 cts.; 5 lbs. $3.25.**

Green-Striped Cashaw. (112 days.) Crookneck fruit 18 inches long and 10 inches in diameter, weighing 10 to 12 pounds. Excellent for canning and stock-feed. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 65 cts.; 5 lbs. $2.75.**

Japanese Pie. (110 days.) A crookneck type, 12 inches long and 12 inches in diameter. Skin dark green with light green stripes. Weight, 12 pounds. For canning and stock-feed. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. 75 cts.; 5 lbs. $3.25.**

King of the Mammoths or **Jumbo.** (120 days.) The largest Pumpkin, weighing 75 to 100 pounds and 18 by 24 inches long. Fruits round, slightly ribbed, flattened. Skin yellow with some orange. Fine for stock-feeding and pies. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1; 5 lbs. $4.25.**

Large Cheese or **Kentucky Field.** (108 days.) Round, flat, slightly ribbed, cream-colored fruits, 8 inches long and 12 inches in diameter, weighing 10 pounds. Flesh of fine quality for pies and canning. One of the standard Pumpkins. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 60 cts.; 5 lbs. $2.50.**

Small Sugar or **New England Pie.** (113 days.) The favorite Pie Pumpkin, also adaptable for canning and storing. Size 7 by 10 inches, weighs 7 pounds, and is very prolific. Its flesh is thick and sweet, adapted to all purposes. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 65 cts.; 5 lbs. $2.75.**

Winter Luxury or **Pie.** (100 days.) An early variety for home and trucker. Round, flattened fruits 8 by 10 inches long. Skin thin, orange-yellow; sweet flesh with fine flavor. One of the best pie Pumpkins. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 65 cts.; 5 lbs. $2.75.**

Yellow or **Golden Cashaw.** (112 days.) A crooknecked type, 20 by 10 inches long, weighing 10 to 12 pounds. Skin yellow, smooth, and hard. Flesh thick, yellow, dry, and sweet. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. 75 cts.; 5 lbs. $3.25.**

All of our seed is grown in those parts of the world which are best adapted to growing each kind of seed.

RADISH

CULTURE. Radishes are easily grown in almost any soil, but for the best quality the soil should be rather loamy and sandy. Avoid the use of rich manure. Sow seed as soon as ground becomes warm; put out successive plantings every 10 days, in rows 10 to 15 inches apart, ½ inch deep, and thin to 1 to 2 inches apart. Sow 1 ounce to 100 feet, 8 to 10 pounds an acre.

Winter varieties are planted in August for winter use. The roots keep well if stored in a cool place.

GLOBE OR TURNIP-SHAPED VARIETIES

Early Red Turnip. (21 days.) A popular, turnip-shaped, brilliant red Radish about 1 inch in diameter. Fine for forcing. Sometimes called Red Button Radish. Tender, of fine quality. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 60 cts.; 5 lbs. $2.50; 25 lbs. $11.25; 50 lbs. $20.**

Early Scarlet or **Prussian Globe.** (25 days.) A good forcing variety of a beautiful crimson color, about 1 inch in diameter, with a short top, tender and crisp. Will withstand much heat. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 60 cts.; 5 lbs. $2.50; 25 lbs. $11.25; 50 lbs. $20.**

Radishes

Early White-Tipped Scarlet. (26 days.) Used extensively by truckers and home-gardeners. Roots round, 1 inch in diameter, carmine-red, with a white tip. Flesh crisp, mild, and tasty. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 60 cts.; 5 lbs. $2.50; 25 lbs. $11.25; 50 lbs. $20.**

French Breakfast. (25 days.) A popular early variety. Roots oblong, dull scarlet, with white tip, 1½ inches long, ¾ inch thick. Flesh white and crisp. Extensively used for forcing. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 60 cts.; 5 lbs. $2.50; 25 lbs. $11.25; 50 lbs. $20.**

Sparkler. (26 days.) An improved white tipped scarlet with more white. Roots round, one inch in diameter. Dull red at top, bottom ⅓ white. Flesh white, very crisp, mild and tender. Very popular. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 60 cts.; 5 lbs. $2.50; 25 lbs. $11.25; 50 lbs. $20.**

LONG RADISHES

Giant Stuttgart. (42 days.) A good late variety with top-shaped roots 3 inches long and 3 inches in diameter at the top. Skin and flesh white, crisp, and tender. Holds its quality for a long time. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 60 cts.; 5 lbs. $2.50; 25 lbs. $11.25; 50 lbs. $20.**

Long Scarlet. (27 days.) The standard for home-gardens and truckers. Smooth, uniform, dark red roots 5 to 6 inches long, tapering 1 inch in diameter at top. Flesh white, crisp, and tasty. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 60 cts.; 5 lbs. $2.50; 25 lbs. $11.25; 50 lbs. $20.**

White Icicle. (27 days.) An outstanding white variety for home and market use. Roots 5½ inches long, 1 inch in diameter, slender, tapering, pearl-white, brittle, mild, and of fine flavor. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 60 cts.; 5 lbs. $2.50; 25 lbs. $11.25; 50 lbs. $20.**

White Vienna or **Lady Finger.** (29 days.) Roots 5½ to 6½ inches long, ¾ inch thick, sleek and tapering, pure white. Flesh crisp, white, of fine flavor. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 60 cts.; 5 lbs. $2.50; 25 lbs. $11.25; 50 lbs. $20.**

WINTER VARIETIES

Chinese Rose Winter. (52 days.) A popular sort, with cylindrical, blunt, smooth roots 5 to 6 inches long and 2 inches in diameter. Bright rose-red with white, firm, pungent flesh. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 60 cts.; 5 lbs. $2.50; 25 lbs. $11.25; 50 lbs. $20.**

Long Black Spanish. (57 days.) A good keeper. Roots cylindrical, slightly tapered, 7 to 9 inches long, 2 inches in diameter. Black skin. Flesh white, solid, and pungent. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 60 cts.; 5 lbs. $2.50; 25 lbs. $11.25; 50 lbs. $20.**

Round Black Spanish. (56 days.) A round winter sort, somewhat top-shaped about 3 to 4 inches in diameter. Flesh white, crisp, of strong flavor. **Pkt. 10 cts. oz. 15 cts.; ¼ lb. 25 cts.; lb. 60 cts.; 5 lbs. $2.50; 25 lbs. $11.25; 50 lbs. $20.**

White Chinese Winter or **Celestial.** (60 days.) Roots large, 2½ to 3 inches in diameter, and from 6 to 9 inches long, oval with blunt base. It is clear white and crisp but not as pungent as other winter varieties. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 60 cts.; 5 lbs. $2.50; 25 lbs. $11.25; 50 lbs. $20.**

SALAD SPECIAL 50c

1 pkt. Bonny Best Tomato
1 pkt. Simpson Lettuce
1 pkt. Danvers Carrot
1 pkt. Red Globe Radish
1 pkt. Green Curled Endive
1 pkt. Long Green Cucumber

RHUBARB

CULTURE. Good plants are easily grown in any good garden soil. Sow seed thinly in shallow drills, 1 inch deep, a foot apart; thin to 4 to 5 inches. Keep soil loose and free from weeds. The plants are likely to vary—pick out the strongest and best. In fall or spring following, transplant to the permanent bed, 4 feet apart each way, in deep, warm, and very rich soil. Sow 1 ounce to 100 feet, 3 pounds an acre; 5000 to 7000 roots an acre.

For Rhubarb roots, see page 41

Victoria. The best Rhubard. A vigorous variety of fine quality with upstanding, slick red stalks. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 60 cts.; ½ lb. $1.10; lb. $2.**

SALSIFY

CULTURE. Sow in early spring, in light, rich soil, ½ inch deep, in drills 14 inches apart, and thin the plants to 3 to 4 inches apart. The roots will be ready for use in October and will sustain no injury by being left in the ground during the winter. Sow 1 ounce to 100 feet, 8 pounds an acre.

Sandwich Island Mammoth. The best variety. Tapering, smooth, dull white roots 6 to 8 inches long by 1½ inches at top. Fine tasting. **Pkt. 10 cts.; oz. 20 cts. ¼ lb. 40 cts.; lb. $1.25; 5 lbs. $5.50.**

SQUASH

CULTURE. Plant seed when weather becomes warm and settled, in hills 5 feet apart each way for the bush varieties and 8 feet for the running varieties; put 8 seeds to the hill, but don't allow over 3 to stand. Sow 1 ounce to 100 feet, 3 to 4 pounds an acre.

Benning's White Bush Scallop. (54 days.) Fruits scalloped, white and green tinted, 3 inches thick, 8 inches in diameter, weighing 2½ pounds. Fine flavor. Used by market gardeners and shippers. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 75 cts.; 5 lbs. $3.25.**

Boston Marrow. (97 days.) A productive fall sort of vining or trailing habit. Deep orange, slightly rough fruits, 12 inches long and 9 inches in diameter, weighing 7 to 8 pounds. Flesh yellow, thick, fine-grained, and moist. Resembles a pumpkin and is extensively used for pies. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 20 cts.; lb. 50 cts.; 5 lbs. $2.**

Early White Bush Scallop. (53 days.) Also called Cymling and Patty Pan. Fruits white, scalloped, flattened and smooth, 8 inches in diameter by 3 inches thick, weighing 2½ pounds. A valuable and popular early sort for home, market, and shipping. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 75 cts.; 5 lbs. $3.25.**

Hubbard (Green). (105 days.) Fruit pointed, slightly warted, dark green, 12 inches long, 9 inches in diameter, weighing 10 to 12 pounds. Flesh thick, orange, dry and sweet. The standard winter variety for home, market, and shipping. Vine trailing. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. 85 cts.; 5 lbs. $3.75.**

Italian Marrow or Cocozelle. (65) Fruits dark green, becoming yellowish at maturity, 6 to 8 inches long, 3 inches in diameter. Flesh pale green, thick, firm, tender, of excellent tasty quality. Very popular. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1; 5 lbs. $4.50.**

Summer Crookneck, Early. (50 days.) A very popular, prolific, light yellow, summer, curved-neck sort, 9 to 10 inches long and 4 inches in diameter, weighing 3 pounds, and covered with warts. Excellent flavor. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 75 cts.; 5 lbs. $3.25.**

SPINACH

CULTURE. For summer use, sow early in spring, covering the seed 1 inch deep, 3 to 6 inches apart, in rows 12 to 18 inches apart. Select rich soil and manure liberally. A succession may be obtained by sowing at intervals of two weeks through the season. For a very early spring crop, sow in September, and protect the plants through the winter by top-dressing. Sow 1 ounce to 50 feet, 10 to 12 pounds an acre; broadcast 20 pounds an acre.

We make a determined effort to have only the best strains and stocks in Spinach. Much has been done by the Departments of Agriculture, state colleges, and by the seedsmen during the past three decades to improve Spinach strains and varieties. We use only the best strains and assist in having better strains and varieties introduced.

Bloomsdale Reselected Savoy. (39 days.) Plants erect and uniform. Leaves large, crumpled, dark green, tender. Fine for early markets, shipping, and canning. **Oz. 10 cts.; ¼ lb. 15 cts.; lb. 25 cts.; 5 lbs. 75 cts.; 25 lbs. $3.25; 50 lbs. $6; 100 lbs. $11.**

Bloomsdale Reselected Long-Standing Savoy. (42 days.) A few days later and holds 12 to 14 days longer than the regular Bloomsdale. Plant uniform, sturdy, with attractive, crumpled dark green leaves. For home, market, and shipping. **Oz. 10 cts.; ¼ lb. 15 cts.; lb. 30 cts.; 5 lbs. 95 cts.; 25 lbs. $4; 50 lbs. $7.50; 100 lbs. $14.**

Bloomsdale Reselected Dark Green Savoy. (41 days.) Same characteristics as regular Bloomsdale Savoy, but two days later and leaves darker green. **Oz. 10 cts.; ¼ lb. 15 cts.; lb. 30 cts.; 5 lbs. 90 cts.; 25 lbs. $3.75; 50 lbs. $7; 100 lbs. $13.**

New Zealand. (70 days.) Thrives in hot, dry weather. Plant large and spreading. Leaves thick, small, pointed, and dark green; can be picked repeatedly throughout the season. Not a true Spinach. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 75 cts.**

Use Lemon Oil Co.'s Standard Insecticide. See Page 56.

Old Dominion. (40 days.) A fine variety for late fall planting to carry over for spring cutting. Slow to go to seed. Curled and wilt-resistant, similar to Savoy, but leaves more pointed. **Oz. 10 cts.; ¼ lb. 15 cts.; lb. 30 cts.; 5 lbs. $1; 25 lbs. $4.25; 50 lbs. $8; 100 lbs. $15.**

Presto Prickly-Seeded Winter. (43 days.) Well adapted for fall planting for early spring cutting. Long-standing plants, vigorous and upstanding. Leaves of medium size, thick, dark green. **Oz. 10 cts.; ¼ lb. 15 cts.; lb. 30 cts.; 5 lbs. $1; 25 lbs. $4.25; 50 lbs. $8; 100 lbs. $15.**

Virginia Blight-Resisting Savoy. (39 days.) A mosaic-resistant variety. Plants vigorous, upstanding. Leaves somewhat smoother than other strains of Savoy, but will withstand heat better. **Oz. 10 cts.; ¼ lb. 15 cts.; lb. 30 cts.; 5 lbs. 90 cts.; 25 lbs. $3.75; 50 lbs. $7; 100 lbs. $13.**

SWISS CHARD

CULTURE. Only the tops are used. The plants are cultivated like beets, except that they should be thinned to 8 or 10 inches. Sow 1 ounce to 100 feet.

Lucullus. (55 days.) The most popular for home and market gardens. Leaves broad, crumpled, light green, of fine flavor. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 75 cts.; 5 lbs. $3.25.**

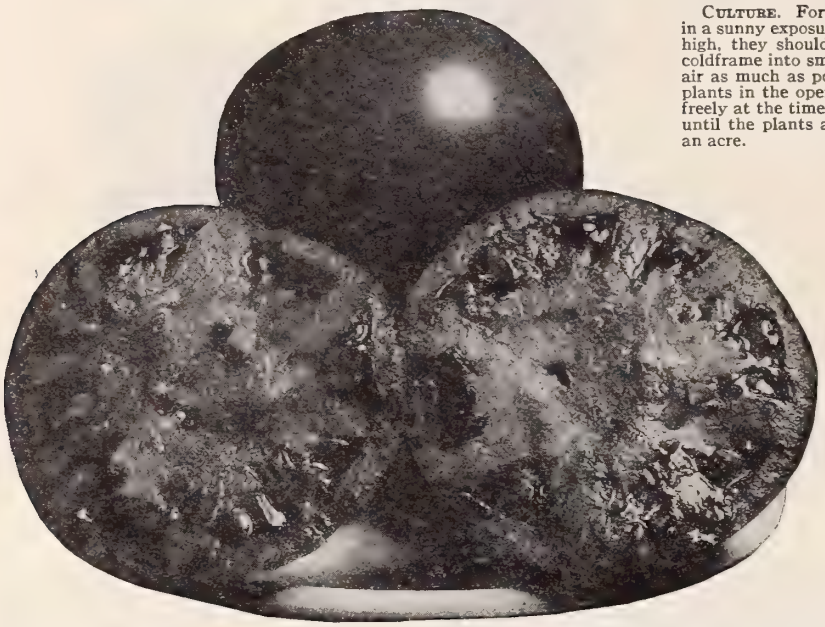
CASH DISCOUNT $1 PER 100 POUNDS WRITE FOR PRICES IN LARGER QUANTITIES

$1.25 worth of Flower or Vegetable Seed for $1.00

in packets or ounces. Make your own selections.

No Vegetable Has More Uses Than the Tomato

Plant TOMATOES in Your Garden!



CULTURE. For early fruit, sow seed on March 1 in the hotbed or in pots in a sunny exposure in the house. When the plants are about 3 to 4 inches high, they should be set out 4 to 5 inches apart in another hotbed or coldframe into small pots, allowing a single plant to a pot. Expose to the air as much as possible to harden, and about the middle of May set the plants in the open ground at a distance of 4 to 5 feet each way. Water freely at the time of transplanting and shelter from the sun for a few days until the plants are established. Sow 1 ounce to 2000 plants, ¼ pound an acre.

For Tomato plants, see page 41

EARLY VARIETIES

Bonny Best. (*73 days.) A fine, standard, large, early Tomato and a general-purpose variety valuable for forcing, market, and home use. Fruit globe-shaped, medium-sized, smooth, solid, and bright scarlet, of find flavor. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 75 cts.; lb. $2.50.**

Super Bonny Best. State Certified Seed. (*73 days.) Our special strain of state certified seed. **Pkt. 10 cts.; oz. 40 cts.; ¼ lb. $1.25; lb. $4.**

G. & T. Co.'s Freestate. (*70 days.) An exceptionally early Tomato introduced by us in 1935. Fruit of medium size, round, very solid, non-acid, of scarlet color and luscious flavor. An exceptional Tomato for canning market, shipping, and home use. **Pkt. 25 cts.; ¼ oz. 80 cts.; ½ oz. $1.50; oz. $2.50; ¼ lb. $8.**

G. & T. Co.'s Marglobe. (*77 days.) Our special stock is resistant to Fusarium Wilt and is not to be confused with ordinary stock. Since its introduction in 1925, it has become one of the main varieties used by truckers, shippers, and canners. Fruit medium large, nearly globular, deep red, smooth, solid, with thick walls and cross sections. The quality is excellent. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 75 cts.; lb. $2.50.**

Super-Marglobe. State Certified Seed. (*77 days.) **Pkt. 10 cts.; oz. 40 cts.; ¼ lb. $1.25; lb. $4.**

Pritchard or **Scarlet Topper.** (*75 days.) Wilt-resistant type known as self-topping or self-pruning. Fruit large, smooth, globular, solid, with thick walls and cross sections of light scarlet color. Valuable for home and market gardens and for shipping. **Pkt. 10 cts.; oz. 30 cts.; ¼ lb. $1; lb. $3.50.**

G. & T. Co.'s Rutgers. (*74 days.) Our special strain is not to be confused with regular Rutgers. It is a wilt-resistant type desirable for home, market garden, and canning; also for juice. Fruit similar to Marglobe, but flatter at the stem end, bright red, smooth, with thick walls. Ripens from the center. Low acidity. Fine quality. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 75 cts.; lb. $2.50.**

Super Rutgers. State Certified Seed. Pkt. 10 cts.; oz. 40 cts.; ¼ lb. $1.25; lb. $4.

Spark's Earliana. (*67 days.) A fine early variety widely used by home and market gardeners. Fruit flattened, of medium size, bright red, with firm, smooth flesh and of fine quality. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 90 cts.; lb. $3.**

MAIN-CROP VARIETIES

Golden Queen. (*84 days.) The leading large yellow variety, used for home gardens and canning. Fruit medium large, golden yellow, with smooth, solid flesh of a mild, delicious flavor. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 75 cts.; lb. $2.50.**

Greater Baltimore. (Indiana.) (*82 days.) Very popular for home and market garden, as well as canning; also used for juice. Fruit medium large, solid, firm, deep scarlet, of fine quality and flavor. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 75 cts.; lb. $2.50.**

Market Champion. (*90 days.) A late, large-fruited variety, slightly flattened, round, smooth and of good color. Very popular for canning purposes on the Eastern Shore. **Pkt. 10 cts.; oz. 30 cts.; ¼ lb. $1; lb. $3.50.**

*Designates number of days from plant setting to marketable vegetables. Otherwise the time is from seed sowing to marketable vegetables.

New Stone. (*86 days.) One of the standard late varieties with canners, market and home gardeners. Fruit large, flattened but deep, smooth, scarlet-red; ripens evenly and is of uniform fine quality. Deservedly popular. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 75 cts.; lb. $2.50.**

Oxheart. (*90 days.) A new variety becoming increasingly popular. Fruit large, heart-shaped, with very solid, beautiful pink meat of a luscious, mild flavor. A specialty for home and market gardens. **Pkt. 10 cts.; oz. 45 cts.; ¼ lb. $1.40; lb. $5.00.**

Ponderosa. (*90 days.) Sometimes called Beefsteak Tomato because of its thick, solid flesh with few seeds. One of the best for home use. Fruit purplish pink, very large, usually weighing 9 to 12 ounces, deep, flat, of a very mild delicious flavor. **Pkt. 10 cts.; oz. 45 cts.; ¼ lb. $1.40; lb. $5.**

Red Rock. (*83 days.) Fruit medium large, thick, flat, smooth, deep scarlet, of fine quality. Desirable for truckers and canners. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 75 cts.; lb. $2.50.**

SMALL-FRUITED VARIETIES

(*73 days.) Fruit pear- or plum-shaped, about 2 inches long.

Pear-Shaped Red — **Red Plum**

Pear-Shaped Yellow — **Yellow Plum**

Pkt. 10 cts.; oz. 30 cts.; ¼ lb. $1; lb. $3.50

Vegetable Seed Collection No. 2

For the Suburban Garden

$2.95

1 lb. Giant Stringless Beans
1 lb. Fordhook Bush Lima Beans
1 oz. G. & T. Blood Turnip Beet
1 pkg. Jersey Wakefield Cabbage
1 pkg. Late Flat Dutch Cabbage
1 pkg. Danvers Carrot
½ lb. Golden Cross Bantam Corn
½ lb. G. & T. Truckers Early Corn
1 pkg. Long Green Cucumber
1 pkg. Simpson Lettuce
1 pkg. Iceberg Lettuce
1 pkg. Tripple Curled Parsley
1 pkg. Hollow Crown Parsnip
1 pkg. California Wonder Pepper
1 lb. G. & T. Early Jumbo Peas
1 lb. G. & T. Maryland Pride Peas
1 oz. Spinach
1 pkg. White Bush Squash
1 pkg. Salsify
1 pkg. Bonny Best Tomato
1 pkg. Marglobe Tomato
1 oz. Turnip

TURNIPS

CULTURE. For early use, sow the small sorts as soon as the ground can be worked in the spring, in drills 14 inches apart, the Rutabagas, 30 inches. As the seed is very fine, it should be covered but slightly, except in very dry weather. Select light, and if possible, new soil and manure with plaster and ashes or phosphates. For fall and winter use, the early kinds should be sown from the middle of July to the middle of August, and the Rutabagas from the middle of June to the first of July, using 1 ounce to 100 feet, 2 pounds an acre.

Cow Horn or **Long White.** (70 days.) Roots tapering, often crooked, white, 8 to 15 inches long, 3 inches in diameter, with tender, mild, white flesh. Grown largely for stock, but also used for eating. Tops large with cut leaves. **Oz. 10 cts.; ¼ lb. 15 cts.; lb. 40 cts.; 5 lbs. $1.75.**

Early White Egg. (60 days.) Roots 3½ inches long, 2½ inches in diameter, egg-shaped; white, fine-grained, smooth flesh of excellent quality. Tops medium-sized, upright. Leaves cut. Used by both home and market gardeners. **Oz. 10 cts.; ¼ lb. 15 cts.; lb. 40 cts.; 5 lbs. $1.75.**

G. & T. Co.'s Improved White Snowball Turnip. (73 days.) The best pure white Turnip, resembles a snowball, 6 inches in diameter. White fleshed, very firm and smooth with a fine flavor. Tops large and are used for stock feeding. **Oz. 15 cts.; ¼ lb. 20 cts., lb. 50 cts.; 5 lbs. $2.**

Large Amber or **Yellow Globe.** (76 days.) Roots globular, 5 inches in diameter, smooth and yellow. Flesh light yellow, firm, and tender. Tops medium size with cut leaves. Popular for home-gardens and also for stock-feed. **Oz. 10 cts.; ¼ lb. 15 cts.; lb. 40 cts.; 5 lbs. $1.75.**

G. & T. Co.'s Improved Purple- or Red-Top White Globe. (58 days.) Uniform, smooth, globular roots, 4 to 6 inches in diameter, with upper part purple and white below. Flesh, white, sweet, crisp, and tender. Tops large, dark green, erect, cut-leaved. The most popular variety for home, market garden, and shipping. We are offering this special strain at no extra charge. **Oz. 10 cts.; ¼ lb. 15 cts.; lb. 40 cts.; 5 lbs. $1.75.**

Pomeranian White Globe. (75 days.) Roots globular, slightly flattened, 4 to 6 inches in diameter, white throughout, smooth, firm, somewhat coarse. Tops large and cut-leaved. Used largely for stock-feed. **Oz. 10 cts.; ¼ lb. 15 cts.; lb. 40 cts.; 5 lbs. $1.75.**

Purple- or Red-Top Strap-Leaved Flat. (46 days.) Roots flat, purple at top, white below, 3 to 5 inches in diameter and 1½ inches thick. Flesh white, fine-grained, and tender. Tops medium small and compact. A very productive early variety for home and market garden. **Oz. 10 cts.; ¼ lb. 15 cts.; lb. 40 cts.; 5 lbs. $1.75.**

Seven-Top or **Turnip Greens.** (45 days.) A very hardy sort grown for "greens" throughout the South. The young shoots are tender and tasty. **Oz. 10 cts.; ¼ lb. 15 cts.; lb. 40 cts.; 5 lbs. $1.75.**

White Flat Dutch. (46 days.) Practically the same as Purple-Top Flat except that the root is all white. **Oz. 10 cts.; ¼ lb. 15 cts.; lb. 40 cts.; 5 lbs. $1.75.**

Yellow Aberdeen or **Scotch.** (75 days.) Roots globular, 4 to 6 inches in diameter, smooth, yellow, with firm, tender, light, fine-flavored yellow flesh. One of the best for winter use. Tops medium size, with cut leaves. **Oz. 10 cts.; ¼ lb. 20 cts.; lb. 50 cts.; 5 lbs. $2.**

RUTABAGAS or SWEDES

Canadian Purple-Top Gem or **Universal.** (87 days.) Roots round; flesh golden yellow, firm and of fine flavor. Tops small, with almost no neck. A newer variety which will keep longer than any other kind. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 40 cts.; lb. $1; 5 lbs. $4.50.**

Improved American Purple-Top Yellow Globe. (88 days.) Roots globular, 5 to 7 inches in diameter, uniform, with small neck, yellow with purple top; flesh light yellow, firm, sweet, and tender. Small top. A dependable variety for large-scale production, storage, and shipping. **Oz. 10 cts.; ¼ lb. 20 cts.; lb. 50 cts.; 5 lbs. $2.**

Purple-Top Golden Neckless. (84 days.) Very similar to American Purple-Top, except the tops are medium with extremely small neck. The quality is unsurpassed. **Oz. 10 cts.; ¼ lb. 20 cts.; lb. 50 cts.; 5 lbs. $2.**

WATERMELONS

CULTURE. Watermelon seed should be planted in rich, sandy soil, in May and June, in hills 8 to 10 feet each way, 1 inch deep. Sow 3 ounces to 100 hills, 4 pounds an acre.

Dixie Queen. (85 days.) Fine for shipping, also for home markets. Fruits oval-round, light green with dark green stripes, measuring 10 by 12 inches and weighing 25 pounds. Flesh light red, crisp, of the best quality and free from fiber. Seed small and white; has fewer seeds than any variety. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 40 cts.; lb. $1.25.**

Florida Favorite. (80 days.) Second-early. Popular with home and market gardeners and for shipping. Fruit weighs approximately 25 pounds and measures 16 by 10 inches. Dark green skin with faint lighter green stripes; flesh deep red, of delicious flavor. Seed white. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 75 cts.**

Irish Gray. (95 days.) Round, 11 by 22 in., smooth, light gray with green, 27 pounds. Seed white. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 75 cts.**

Kleckley's Sweets, Improved. (85 days.) Good for home use and markets. Fruits large, cylindrical, dark bluish green, 12 by 22 inches, weighing 35 pounds. Flesh bright red, tender, and very sweet; rind thin and tender. Seed white with brown tips. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 75 cts.**

New Creation. (87 days.) A chunky oblong Melon 18 by 12 inches, striped dark and medium green. Flesh rich red of fine quality. Rind hard, seeds white. A fine shipper. Attractive in appearance averaging 35 lbs. Some specimens weigh as much as 70 pounds. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. 85 cts.**

Lord Baltimore. (87 days.) Extensively used for home and market gardens and shipping. Fruit 10 by 16 inches and weighs 28 pounds, light green, with very large dark stripes and mottlings. Flesh deep pink, of fine flavor. Seed white. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 75 cts.**

Rattlesnake. (90 days.) Grown extensively for shipping. Fruit large, 10 by 21 inches, gray-green, with irregular dark green stripes. Flesh bright pink, sweet. Seed white with black tips. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 75 cts.**

Stone Mountain Improved or **Dixie Belle.** (90 days.) Very popular for home use and shipping. Fruits are 14 by 17 inches, oval, with blunt ends, very dark green. Flesh rich scarlet, fine-grained, and sweet. Seed white with black tips. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 75 cts.**

Tom Watson Improved. (94 days.) A large, deep green, uniform, oblong melon, 12 by 22 inches, and weighing 35 pounds. Flesh deep red, of excellent flavor. A favorite for shipping. Seed brown with some white. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 75 cts.**

Winter King and Queen. (82 days.) Used principally for shipping and storing. Fruit 9 by 9½ inches, weighing about 14 pounds. Light cream in color with faint irregular light green stripes. Flesh sweet and of fine texture. Suitable to store for several months. Prolific. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 75 cts.**

Citron Red-Seeded. (95 days.) For preserving. Productive, 8 by 8 inches, weighing 11 lbs. Round light and dark green striping. Flesh white and solid. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 75 cts.**

FIELD CORN

56 lbs. to the bushel
One bushel plants 5 to 6 acres

Our Field Corn is especially grown for seed purposes. It is all *hand selected, tipped, and butted.* We have exercised the greatest care in selecting strains for their high yields and adaptability to this climate and location.

HYBRID FIELD CORN

Last year it was estimated that 25 per cent of the Corn planted in the Corn Belt was Hybrid Corn. There would have been more if there had been sufficient seed. Hybrid Corn yields 10 to 30 bushels more to the acre, has a larger stalk and a better root-system, and is more disease-, storm-, and drought-resistant. The strains we offer have made the highest yields at nearly every experimental station in the East.

Hybrid White Dent. Matures in 124 days, roasting ears in 93 days; 9 feet tall. Ears 10 to 11 inches long, with 16 rows of large, deep grains, closely wedged together on medium small white cob. With its strong stalk, deep root-system, and resistance to smut and other diseases, it has outyielded all other white varieties 15 to 20 per cent.

Hybrid Yellow Dent. Matures in 112 days, roasting ears in 83 days; 8 feet tall. Every stalk bears uniform, large, solid ears, with 16 straight rows of deep grains, tightly wedged on a small cob. It is disease- and drought-resisting. The stalk is stocky with strong root-system, and it outyields leading yellow varieties 15 to 20 per cent.

OPEN-POLLINATED

Boone County White. Matures in 125 days, roasting ears in 95 days; 9 feet tall. Our strain outyields local Boone County 5 bushels per acre. Heavy ears, 10 to 11 inches long, with 18 to 20 straight rows of deep grains, closely wedged on white cob. Average yield, 57 bushels per acre.

G. & T. Co.'s Improved Maryland White Dent. Matures in 125 days, roasting ears in 93 days; 9½ feet tall. Heaviest yielding of all white Corns. This strain was developed after ten years of selection from many superior strains and is adapted to a wide range of soils and climates. It has large beautiful ears, 10 to 11 inches long, with 18 straight rows of deep grains, set on white cob. Strong, vigorous stalk and root. Average yield, 80 bushels per acre.

Johnson County White. Matures in 120 days, roasting ears in 93 days; 9 feet tall. A favorite white Corn in the Corn Belt. It has heavy ears, 10 inches long, with straight deep grains on small white cobs. Average yield, 60 bushels per acre.

Eureka Ensilage. Our improved strain has larger ears, more grain, and yeilds 20 per cent more silage than ordinary Eureka. At one experiment station it made 20 tons per acre. About 128 days to make silage.

Pamunkey Ensilage. Averaged 23 tons of silage per acre. The tallest of 60 varieties in a recent test. It has strong, deep roots, and large, sturdy stalks that stand up when shorter varieties blow down.

Improved Early Leaming. Matures in 110 days, roasting ears in 82 days; 8½ feet tall. One of the heaviest yeilding, averaging 62 bushels of grain per acre. The ears are yellow, 9 inches long, rough dent, 16 to 18 rows of deep grains, closely set on small red cob. Adapted for any type of soil. For early ensilage in the North.

Lancaster Surecrop. Matures for silage in 90 days, for grain in 100 days. It makes the largest ear of any early Corn, averaging a foot long; reddish yellow grains. Average yield, about 50 bushels per acre.

New Maryland Yellow Dent. Matures in 111 days, roasting ears in 78 days; 8½ feet tall. Large, beautiful ears, 9 to 10 inches long, with 16 rows of deep, rich orange-colored grains. Yielded over 100 bushels per acre on 10-acre championship.

Reid's Yellow Dent. Matures in 119 days, roasting ears in 91 days; 8½ feet tall. Has won more championships than any other Corn in the East; it took the Gold Medal several years for yielding over 100 bushels per acre. The large, heavy-type ear, 10½ inches long, has 18 to 20 straight rows of deep yellow grains, closely wedged together on a medium-sized red cob. Tip and butt completely covered.

90-Day Yellow. Matures in 90 days, roasting ears in 75 days; 7½ feet tall. In a recent test it made roasting ears, and matured before any other variety. Ears 7 to 8 inches long, with 14 to 16 rows on a small cob. Half of the stalks have two ears. Stalks are short, stocky, storm-resistant. Adapted to any soil.

Smoky Yellow Dent. Matures in 80 days, roasting ears in 70 days; 6 to 7 feet tall. Ears 7 to 8 inches long, with 12 to 14 rows of red grains, and a clear white cap. Very popular in the northern states because of its early maturing. It is a sure cropper and does well in medium or poor soils.

	Qt.	Pk.	Bus.	5 Bus. per Bus.
Hybrid Corns	$0 30	$2 00	$7 00	$6 50
Ensilage	20	80	2 85	2 70
All Other Corns	20	75	2 75	2 60

ADD POSTAGE ON FIELD CORN

SEED POTATOES

MAINE GROWN

Potatoes sold by weight only; 60 lbs. to bushel

Culture. A rich sandy loam containing much humus is best suited for Potatoes. To secure the best results, a good fertilizer should be used (see page 42). Plant early in the spring, in rows, about 1 foot apart in the row. Cover with 3 to 4 inches of soil. Hill the plants as they advance in growth; also keep soil broken to prevent baking.

Green Mountain. Does remarkably well on poor soils, and is very free from disease. It resists drought and produces tubers of large size and attractive appearance with white flesh. A good keeper, and when put away in the fall will keep well until spring. Matures in 140 days. Selected stock, **50c per pk.**; certified stock, **75c per pk.**

G. & T. Co.'s Extra - Early Prize. The finest Rose Potato. Unusually mealy and keeps exceptionally well. Very superior to Early Rose in every respect, being of better shape, larger, and yields better. Finest selected stock, **65 cts. per pk.**

G. & T. Co.'s Prosperity. Best middle-crop variety. Yields exceptionally well even under unfavorable conditions. The flesh is white and mealy and the Potato is of oval shape. This Potato can be relied on. Finest selected stock, **65 cts. per pk.**

Write for prices on bus. or bag 150-lb. lots

Irish Cobbler. Very productive and matures early. Shape chunky; eyes strong and deep set; skin netted; flesh white, of very superior quality. Selected stock, **50 cts. per pk.**; certified stock, **75 cts. pk.**

Red Bliss Triumph. This variety combines the productiveness of the Peerless with all the good qualities of the Early Rose. It is more productive, and matures its crop at least a week in advance of Early Rose. Selected Stock, **60 cts. per pk.**

Spaulding Rose. One of the best early market sorts. Our stock is grown on new land near Houlton, Maine, and is rugged, producing a fine large crop. Selected stock, **50 cts. per pk.**; certified stock, **75 cts. pk.**

Dakota Red. Very late; an excellent yielder. Oblong, red-skinned; white fleshed. Will cook mealy. Selected stock, **50 cts. per pk.**; certified stock, **75 cts. per pk.**

The above prices are f.o.b. Baltimore.
Add 25 cts. per pk. in 1st or 2nd Zone.
Add 40 cts. per pk. in Second or Third.

GRASS MIXTURE
for Hay and Permanent Pastures

Mixture for Upland. Bushel weighs 14 pounds. Sow 3 bushels to the acre. **Bus. $2.50; 10 bus. $22.50, not prepaid.**

Mixture for Lowland. Bushel weighs 14 pounds. Sow 3 bushels to the acre. **Bus. $2.25; 10 bus. $20, not prepaid.**

Lawn Grass Mixtures

See inside of front cover.

GRASS VARIETIES

Postage extra. See page 1.

Bent, Colonial or **Rhode Island. Lb. $1.25; 3 lbs. $3.50; 5 lbs. $6.**

Bent, German or **Creeping. Lb. $1.25; 3 lbs. $3.50; 5 lbs. $6.**

Bent, Astoria. Lb. $1.25; 3 lbs. $3.50; 5 lbs. $6.

Bermuda Grass. Lb. 50 cts.; 3 lbs. $1.35; 5 lbs. $2.

Fancy Red-Top. Lb. 30 cts.; 3 lbs. 80 cts.; 5 lbs. $1.25.

Fescue, Chewing's. Lb. $1.25; 3 lbs. $3.50; 5 lbs. $6.

Fescue, Hard or **Sheep's. Lb. 60 cts.; 3 lbs. $1.60; 5 lbs. $2.45.**

Fescue, Meadow (English Blue Grass). **Lb. 25 cts.; 3 lbs. 65 cts.; 5 lbs. 95 cts.**

Fescue, Red. Lb. $1.25; 3 lbs. $3.50; 5 lbs. $6.

Kentucky Blue. Lb. 35 cts.; 3 lbs. $1; 5 lbs. $1.60.

Orchard Grass. Lb. 30 cts.; 3 lbs. 80 cts.; 5 lbs. $1.25.

Poa trivialis. Lb. 60 cts.; 3 lbs. $1.60; 5 lbs. $2.45.

Rye Grass, Domestic. Lb. 15 cts.; 3 lbs. 40 cts.; 5 lbs. 60 cts.

Rye Grass, Perennial. Lb. 25 cts.; 3 lbs. 65 cts.; 5 lbs. 95 cts.

Timothy. Lb. 15 cts.; 3 lbs. 40 cts.; 5 lbs. 60 cts.

White Dutch Clover. ¼ lb. 20 cts.; ½ lb. 35 cts.; lb. 60 cts.; 3 lbs. $1.60; 5 lbs. $2.45.

Write for Quantity Prices on Grass Seeds

DWARF ESSEX RAPE

Unequaled as a pasture for sheep, and as fattening foods for all livestock. **Lb. 15 cts.; 3 lbs. 40 cts.; 5 lbs. 60 cts.**

Plants, Roots and Trees

FROST-PROOF CABBAGE PLANTS

Ready for shipment from December 1 to May 1
Will mature heads two to three weeks earlier

Early Jersey Wakefield, Charleston Wakefield, Succession, and **Early Flat Dutch. (Copenhagen Market** ready about April 1.)

These plants are grown in the open field during the fall and winter months, which causes them to make a slow, tough, hardy growth—so hardy that the outer leaves turn to a reddish brown. They can safely be shipped to distant points and should be planted in the open ground from four to five weeks earlier than frame plants.

Prices, postpaid, 100, 200, or 300 plants, 45 cts. per 100; 500 plants for $1.50; 1,000 plants $2.25.

Prices by Express collect, in lots of 1,000 to 4,000, $1.25 per 1,000; 5,000 or more, $1 per 1,000.

These prices are only in lots of even hundreds or thousands, and the quantity prices apply only for lots of the same variety.

Terms, cash with order, please.

No plants shipped C. O. D.

Local plants from the seed-bed ready May 1. The varieties include Brussels Sprouts, Cabbage, Cauliflower, Eggplant, Lettuce, Pepper, Tomato, and Sweet Potato.

Those ready July 1: Broccoli, Borecole, Celery. **Prices on application.**

ASPARAGUS ROOTS

Plant from March 1 to April 15, and from October 15 to freezing.

For culture, see page 26.

Mary Washington. (Rustproof.) By far the best. Early and vigorous. Firm and tender roots, richly flavored. **$1.40 per 100; $10 per 1,000. Postage, 10 cts. per 100, extra.**

Bunchers, Tape, Knives, and Rubber Bands, see page 43

RHUBARB ROOTS

Plant from March 1 to April 15, and from October 15 to freezing. Set 3 to 4 feet apart; cover 2 inches deep. Manure well each spring. Keep soil moist. Can furnish either Victoria or Myatt's Linnaeus in strong, 2-year stock. **15 cts. each; $1.25 for 10; $10 per 100. Postage on 3 roots, 10 cts. extra.**

HORSERADISH SETS

Can ship after March 1

Strong 2-yr. stock, **50 cts. for 10; $4 per 100. Postage, 10 cts. Per 10 extra.**

GERMACO HOTKAPS

Protect plants from the elements and insects, and help mature crops earlier.

25 Hotkaps, Garden Setter, Tamper	$0 50
100 Hotkaps, Garden Setter, Tamper	2 65
250 Hotkaps, Garden Setter, Tamper	3 85
1,000 Hotkaps only	10 25
5,000 Hotkaps only, per 1,000	10 15
10,000 Hotkaps only, per 1,000	9 95
Steel Hotkap Setter and Tamper, set	1 50
Garden Setter (paper), each	50
Steel Tamper, each	25

Strawberry Plants

Strawberry plants are best planted in this locality from March 1 to May 1, but we can supply them from November 1 to June 1. Strawberries should be well fertilized, grown in rich soil, and covered with straw in the winter. If plants are dry, they should be dipped in water and allowed to plump before planting. Plant in rows 3½ feet apart, and 15 inches apart in the rows.

Dorsett. *New.* Early. Vigorous and productive. Medium light in color and retains its lightness. **80 cts. for 50; $1.50 per 100.**

Fairfax. *New.* Early. Productive and vigorous. Medium dark, turning darker. **80 cts. for 50; $1.50 per 100.**

Gandy. Late. Large, firm, and of fine flavor. A good shipper. **80 cts. for 50; $1.50 per 100.**

Gem. Everbearing. Fruit of rich color, medium large. **90 cts. for 50; $1.75 per 100.**

Klondyke. Early. Berries uniform, dark red, mild and delicious. **75 cts. for 50; $1.25 per 100.**

Premier. Early. Large; long fruiting season. One of the best. **75 cts. for 50; $1.35 per 100.**

Big Joe. Midseason. Large, delicious, and vigorous. **75 cts. for 50; $1.35 per 100.**

Progressive. Everbearing. Produces big crop the same season set. **90 cts. for 50; $1.65 per 100.**

Chesapeake. Late. Extra large; uniform; popular. **80 cts. for 50; $1.50 per 100.**

Mastodon. Everbearing. Large; waxy appearance. Extensively planted. **90 cts. for 50; $1.65 per 100.**

Add 10 cts. per 100 for postage

Write for prices in quantity and other varieties

BLACKBERRIES

Strong root-cutting plants. Ready March 1.

Blowers. Very hardy; productive. Large.

Eldorado. Large jet-black berries.

12 cts. each; $1 for 10; $5 per 100
Postage, 15 cts. per 10, extra

BOYSENBERRY

1-Year No. 1 Strong Rooted Plants. Immense size berries, with a very sweet delicious flavor, somewhat suggestive of the Raspberry. Small seeds. Plant 8 x 8 ft. apart, because of their great thriftiness.

15 cts. each; $1 for 10; $8 per 100
Add 15 cts. per 10 for postage

DEWBERRIES

No. 1 plants. Ready March 1.

Lucretia and **Austin.**

50 cts. for 10; $3 per 100
Add 20 cts. per 10 for postage

RASPBERRIES

2-year No. 1 stock. Ready March 1.

Cumberland. Black. Midseason. Large.

Latham. Red. Late. Productive. Large.

Newburgh. Red. Midseason. Vigorous.

St. Regis. Red. Everbearing. Firm, meaty.

10 cts. each; 95 cts. for 10; $5 per 100
Add 15 cts. per 10 for postage

FRUIT TREES

APPLES. 2 years old.

Variety	Ripens	Color
Delicious	Fall	Red
Duchess	Summer	Bicolor
Grimes Golden	Winter	Yellow
Jonathan	Winter	Red
Mammoth Black Twig	Winter	Red
Transparent	Summer	Yellow
Smokehouse	Fall	Bicolor
Stayman's Winesap	Winter	Red
Wealthy	Fall	Red
York Imperial	Winter	Bicolor

	Each	10	100
4 to 5 ft. high	$0 60	$5 00	$35 00
5 to 6 ft. high	75	6 75	45 00

APRICOTS. 3 to 4 ft. high. 75 cts. each.

BLACK WALNUT TREES. 4 to 5 ft. high. $1.25 each.

CRABAPPLES. 2 years old.
Hyslop and **Siberian.**
Prices same as Apples

CHERRY. 2-year budded stock.
Sweet: Napoleon (yellow), **Schmidt's Bigarreau** (black), **Gov. Wood** (red), **Tartarian** (black).

	Each	10
4 to 5 ft. high	$1 10	$10 50
5 to 6 ft. high	1 25	12 00

Sour: Morello (black), **Dyehouse** (red).

	Each	10
3 to 4 ft. high	$0 90	$8 50
4 to 5 ft. high	1 00	9 50

PEACHES. 1-year budded stock.
Belle of Georgia. White. Freestone.
Elberta. Yellow. Freestone.
Heath. White. Cling.
J. H. Hale. Yellow. Freestone.

	Each	10
3 to 4 ft. high	$0 50	$4 50
5 to 6 ft. high	75	7 00

PEARS. Standard stock.
Bartlett. Large; yellow. Ripens in August.
Kieffer. Large; yellow. Ripens in October.
Seckel. Medium; yellowish brown. Sept.

	Each	10
3 to 4 ft. high	$0 75	$7 00
5 to 6 ft. high	1 10	10 50

PLUMS, Shropshire Damson and **Quince.** 2-year budded stock. **4 to 5 ft. 75 cts. each**

Trees by mail, add 25 cts. for 3 trees or less. Three or more trees, 10 cts. each

Ten or more sent express collect

GRAPES

2-year No. 1 stock. Ready March 1.

Niagara. White. **30 cts. each; $2.50 for 10; $20 per 100.**

Concord. Blue. **30 cts. each; $2.50 for 10; $20 per 100.**

Caco (wine-red) and **Fredonia** (black). **50 cts. each; $4.50 for 10; $40 per 100.**

If wanted by mail, add 10 cts. each

Gator-Hide Mulch Paper

A tough, strong, durable paper that holds moisture in the soil, retains heat, raises soil temperature, and prevents cooling at night. This promotes bacterial activity day and night, thus producing bigger, better, and earlier crops.

Garden Package		$0 35
Type A.		
18 in. wide.	300 linear yards to roll	$1 00
36 in. wide.	300 linear yards to roll	2 00
Type B.		
18 in. wide.	150 linear yards to roll	1 00
36 in. wide.	150 linear yards to roll	2 00

Fertilizers for Farm, Garden and Lawn

G. & T. CO.'S

Garden Fertilizer

5 lbs. 35 cts.

A complete Fertilizer for flowers, shrubbery, vegetables, fruits, etc. Recommended strongly as the best for all-round work in the garden. Use at the rate of 1 pound to 50 square feet. **5 lbs. 35 cts.; 10 lbs. 60 cts.; 25 lbs. $1.25; 50 lbs. $2; 100 lbs. $3.50.**

ACID PHOSPHATE.
High-grade. 16%... **Bag (167 lbs.) $1.75**
Super. 20%..... **Bag (167 lbs.) $2.25**

ADCO. Will produce clean, odorless manure in three to four months by adding at the rate of 2 pounds to the wheelbarrow load of compost, grass clippings, leaves, etc. **7½ lbs. $1; 25 lbs. $2; 150 lbs. $10.50.**

ALUMINUM SULPHATE. Especially good for rhododendrons and azaleas, or where an acid condition of the soil is required. **Lb. 10 cts.; 5 lbs. 30 cts.; 10 lbs. 50 cts.; 25 lbs. $1; 50 lbs. $1.75; 100 lbs. $3.25.**

BLOOD MEAL. Fine for potted plants, roses, etc. A quickly available fertilizer. **Lb. 10 cts.; 5 lbs. 40 cts.; 10 lbs. 75 cts.; 25 lbs. $1.50; 50 lbs. $2.50; 100 lbs. $4.**

BONE, G. & T. CO.'S SOFT GROUND. Made from softer material than the regular ground bone, which makes it act faster. Contains some meat and blood. Fine for lawns, roses, shrubbery, and flowers. **5 lbs. 25 cts.; 10 lbs. 45 cts.; 25 lbs. 80 cts.; 50 lbs. $1.45; 100-lb. bag $2.40; 167-lb. bag $3.85.**

BONE, FINE GROUND PURE. Good for lawns, shrubbery, etc. Slow-acting. **5 lbs. 30 cts.; 10 lbs. 50 cts.; 25 lbs. 85 cts.; 50 lbs. $1.50; 100 lbs. $2.65; bag (167 lbs.) $4.**

CHICKEN MANURE (Egyptian Grower). Rich in organic matter. Used for lawns and flowers. **5 lbs. 40 cts.**

COTTONSEED MEAL. A good organic fertilizer for laurel, rhododendrons, azaleas, etc. **5 lbs. 30 cts.; 10 lbs. 50 cts.; 25 lbs. $1; 50 lbs. $1.75; 100 lbs. $3.**

COW-MANURE (Bo Vung). Thoroughly dehydrated and well pulverized, free from dirt and weed seeds. The best Manure for lawns, flowers, and gardens. **5 lbs. 30 cts.; 10 lbs. 50 cts.; 25 lbs. 90 cts.; 50 lbs. $1.50; 100 lbs. $2.65.**

ESSKAY QUALITY PLANT-FOOD. A complete organic fertilizer consisting of blood, bonemeal, tankage, and potash, scientifically blended to produce the best results in growing flowers, lawns, vegetables, trees, and shrubs. **2 lbs. 25 cts.; 10 lbs. 75 cts.; 25 lbs. $1.50; 50 lbs. $2.35; 100 lbs. $3.50.**

Hyper-Humus

Fine for use on lawns, under shrubbery, and on flower-beds. It conserves moisture, puts organic matter in the soil, and cultivates bacteria. **5 lbs. 15 cts.; 10 lbs. 25 cts.; 25 lbs. 50 cts.; 50 lbs. 95 cents; 100 lbs. $1.50; 500 lbs. $6.25; 1,000 lbs. $10.**

G. & T. CO.'S

Grass Fertilizer

5 lbs. 35 cts.

Well-balanced Fertilizer that will keep your lawn in a healthy condition. For making new lawns, use 100 pounds for every 2,000 square feet; for renovating old lawns, 100 pounds for every 4,000 square feet. **5 lbs. 35 cts.; 10 lbs. 60 cts.; 25 lbs. $1.25; 50 lbs. $2; 100 lbs. $3.50.**

KAINIT. Best for asparagus. Use at the rate of 100 pounds to 1,000 square feet. **5 lbs. 25 cts.; 10 lbs. 45 cts.; 25 lbs. 85 cts.; 50 lbs. $1.35; 100 lbs. $2; 200 lbs. $3.50.**

LEAF-MOLD. Fine for mulching rhododendrons and azaleas. For window-boxes and sowing flower seeds, mix with good top-soil. **Pk. 50 cts.; ½ bus. 90 cts.; bus. $1.50; in 5-bus. lots, $1 per bus.**

LIME, HYDRATED. For sweetening soils. **10 lbs. 25 cts.; 50 lbs. 50 cts.; 100 lbs. 95 cts.**

LOMA. A well-balanced complete plant-food containing all the elements necessary for gardens and lawns. 100 pounds is ample for 2,500 square feet. **Lb. 10 cts.; 5 lbs. 45 cts.; 10 lbs. 85 cts.; 25 lbs. $1.50; 50 lbs. $2.50; 100 lbs. $4.**

MURIATE OF POTASH. **Lb. 10 cts.; 5 lbs. 40 cts.; 10 lbs. 75 cts.; 25 lbs. $1.50.**

NITRATE OF SODA. A great stimulant. To be used when quick growth is desired. **Lb. 10 cts.; 5 lbs. 30 cts.; 10 lbs. 50 cts.; 25 lbs. $1; 50 lbs. $1.75; 100 lbs. $2.50.**

PEAT MOSS, GRANULATED. Produced in Sweden. Fine for garden mulch, as it conserves moisture. When incorporated in the soil, it promotes growth and supplies humus, which is very essential for growing plants. **3 qts. 10 cts.; 1½ pks. 25 cts.; bus. 50 cts.; 3 bus. $1; ½ bale $1.65; bale $2.85.**

PEERLESS FERTILIZER. (1–10–5.) Fine for spring and summer farm crops..... **Bag (167 lbs.) $2.50**

PLANTABBS. A complete, high-grade food in odorless tablet form. **30 tablets 25 cts.; 75 tablets 50 cts.; 200 tablets $1; 1,000 tablets $3.50.**

POTATO FERTILIZER, SPECIAL. (3–8–8.) Scientifically blended for potatoes and dahlias. **5 lbs. 30 cts.; 10 lbs. 50 cts.; 25 lbs. 85 cts.; 50 lbs. $1.50; 100 lbs. $2.50; 167 lbs. $3.**

POTATO AND TRUCK GUANO. Also used for flowers and dahlias, etc. **5 lbs. 30 cts.; 10 lbs. 50 cts.; 25 lbs. 85 cts.; 50 lbs. $1.50; 100 lbs. $2.25; 167-lb. bag $2.85.**

POTTING SOIL. A rich screened soil mixed with humus for window-boxes and flower-pots. **Pk. 30 cts.; ½ bus. 60 cts.; bus. $1.**

RELIABLE CROP GROWER. (2–12–4.) For wheat, corn, tomatoes, etc..... **Bag (167 lbs.) $2.75**

G. & T. CO.'S

Rose Food

5 lbs. 50 cts.

A fertilizer specially prepared for the growth of roses and for the eradication and control of root-pests. Use a trowelful, thoroughly mixed with the soil, before setting out new bushes and apply a liberal dusting in the early spring and the late fall. **5 lbs. 50 cts.; 10 lbs. 85 cts.; 25 lbs. $1.50; 50 lbs. $2.50; 100 lbs. $4.**

TRUCKER'S SPECIAL. (4–8–5.) A high-grade complete mixture for truckers' use in growing vegetables. **Bag (167 lbs.) $2.85.**

SHEEP MANURE, PULVERIZED. Valuable in a run-down garden as it adds humus and vegetable matter which are essential for all vegetation. Makes a rich and safe liquid manure, using 1 pound to 5 gallons of water once a week. For greenhouse plants, mix 1 part to about 10 parts of soil. **5 lbs. 30 cts.; 10 lbs. 50 cts.; 25 lbs. 85 cts.; 50 lbs. $1.50; 100 lbs. $2.50.**

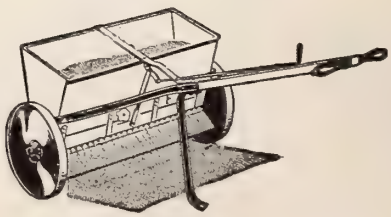
SPHAGNUM MOSS. Excellent for packing plants and for orchids. **Pk. 50 cts.; bus. $1.25; bale $3.25.**

SULPHATE OF AMMONIA. Used for same purpose as Nitrate of Soda, but slower and stronger. **Lb. 10 cts.; 5 lbs. 30 cts.; 10 lbs. 50 cts.; 25 lbs. $1; 50 lbs. $1.75; 100 lbs. $2.75.**

TOBACCO DUST. **Lb. 10 cts.; 5 lbs. 35 cts.; 10 lbs. 60 cts.; 25 lbs. $1.25; 100 lbs. $4.**

TOBACCO STEMS (Cut). **5 lbs. 30 cts.; 10 lbs. 50 cts.; 25 lbs. $1; 50 lbs. $1.50; 100 lbs. $2.50.**

VIGORO. Nourishes plants properly because it is the complete plant-food, containing all the elements that scientists have proved plants must get from the soil. Use at the rate of 1 pound to 50 square feet. **12-oz. pkg. 10 cts.; 5-lb. pkg. 45 cts.; 10-lb. bag 85 cts.; 25-lb. bag $1.50; 50-lb. bag $2.50; 100-lb. bag $4.**



Fertilizer Spreaders

(For Farm Fertilizer Spreaders, see page 89)

Use a Spreader to insure the proper distribution which gives the best results.

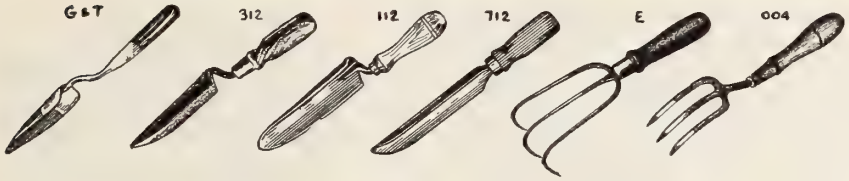
Loma Spreaders

Junior Loma	14-in	**$2 50**
Loma	16-in	**5 50**
Loma	30-in	**10 50**

Root Spreaders

14 L. D.	14-in	**5 95**
18 L. D.	18-in	**7 25**
24 L. D.	24-in	**10 25**
36 H. D.	36-in	**28 00**
36 H.D.R. with pneumatic tires		**43 00**

Supplies for the Garden and Greenhouse



Garden Trowels

Weight, 1 lb. each

No. 312. Bright steel 6-in. blade with plain durable handle.....**$0 15**

No. 512. Heavy 6-in. steel blade, with plain, easy-grip handle..... **25**

No. 212. Very heavy, 6-in. steel blade and shank in one piece, with polished hardwood handle..... **35**

No. 112. Shank and heavy 6-in. forged steel blade, forged like mason's brick trowels. This insures strength and long life. Polished hardwood handle and heavy steel ferrule..... **75**

No. G. and T. Tempered steel blade, 6½ x 4-in., which is forged in one piece with the ferrule and shank. The material in this Trowel is the best obtainable..... **1 00**

Lawn Weeder

No. 052. Has bent forged-steel blade, hardened and tempered, and 3-foot hardwood handle. Fine for getting weeds out of lawns. (Weight, 1 lb.).....**45 cts. each**

Asparagus Knife

Weight, 1 lb. each

No. 0052. Hammer-forged, hardened and tempered. Polished handle..**35 cts. each**

No. 3052 Competitive grade..**25 cts. each**

Asparagus Buncher

This Improved Asparagus Buncher is adjustable for all lengths of bundles, correct in design and quick in operation. (Weight, 8 lbs.).....**$3.50 each**

Red Asparagus Tape

1,000-yd. spools, **$1.60, postpaid.**

Red Rubber Bands

For fastening asparagus and vegetables. 3C (small) or 7C (large), **85 cts. per lb.**

National Eezy-Wear Garden Gloves

Made from specially imported hides processed to render them amazingly soft and pliable. Permit almost barehand freedom yet provide complete all-leather protection. Ideal for garden and similar uses. **Dirt-proof, Durable** and **Washable.** Four sizes: Small and Medium for women; Medium and Large for men. **75 cts. per pr., postpaid.**

Hand Weeders

No. 004. Has four hardened malleable iron tines, brass ferrule, and polished hardwood handle. 10 inches long...**$0 25**

No. 003. The three flat, heavy, steel tines are securely fastened to the polished hardwood handle. Very strong and durable. Weight, 1 lb. ea. **45**

Eureka. Made with three forged-steel tempered prongs 1½ inches apart, with grip handle. The most popular Weeder.

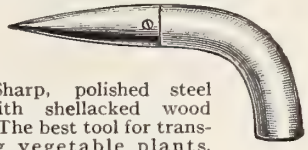
No. E. Short handle..... **60**

No. EL. 2-ft. handle..... **70**

Transplanting Trowels

No. 712. The blade and shank are of one piece of heavy steel. Unequaled for setting plants and lifting seedlings. Weight, 1 lb. each. 5-in., **15 cts. each;** 8-in., **30 cts. each.**

Dibbers

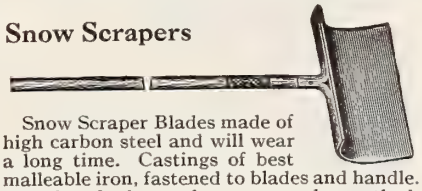


No. 812. Sharp, polished steel point with shellacked wood handle. The best tool for transplanting vegetable plants. Weight, 1 lb. each. **75 cts.**

Low Priced Tools 10 cts. each

Green enamel finish attractive No. 800 Trowel, No. 801 Fork, No. 802 Cultivator, and No. 804 Transplantor Trowel.

Snow Scrapers

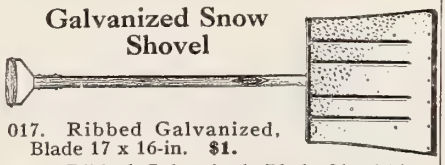


Snow Scraper Blades made of high carbon steel and will wear a long time. Castings of best malleable iron, fastened to blades and handle. Handles of ash, tough, strong, and smoothed. All metal parts given a coat of black paint.

Scraper. 18-in.....**$0 90**

24-in..... **1 00**

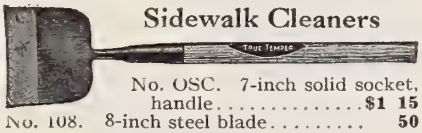
Galvanized Snow Shovel



017. Ribbed Galvanized, Blade 17 x 16-in. **$1.**

021. Ribbed Galvanized, Blade 21 x 16-in. **$1.30.**

Sidewalk Cleaners



No. OSC. 7-inch solid socket, handle.....**$1 15**

No. 108. 8-inch steel blade..... **50**

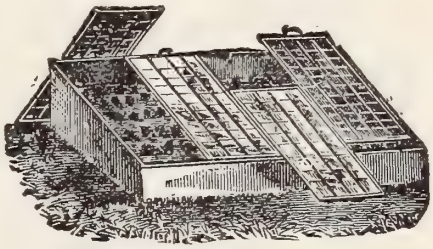
Burlap Hotbed Mats

Made of strong burlap, interlined.

	Each	Doz.
40 x 76-in.	$1 75	$17 50
76 x 76-in.	2 75	27 50

Hotbed Glass

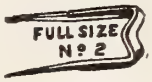
Box of 90 panes, 8 x 10 inches, **$2.75.** Ask for special price in quantity.



Unglazed Hotbed Sash

3 ft. 2 in. x 6 ft. Grooved or puttied. White Pine, **$1.75 each.** Ask for special price in quantity.

Peerless Glazing Points



Quickly and easily put in. No "rights" or "lefts" to bother with. Made in three sizes: No. 1 for small, single-thickness glass; No. 2 for medium, double-thickness glass; No. 2½ for large, double-thickness glass.

Box of 1,000 (Weight, 1 lb.).....**$0 75**

Glazing-Point Pincers..... **85**

Mastica

For glazing greenhouses and sash, new and old. It is elastic, adhesive, and easily applied; not affected by dampness, heat, or cold. Mastica is of great value in going over old houses and sash, as it seals it perfectly tight and saves the expense of relaying the glass.

1-gal. can.....**$2.50**

Mastica Glazing Machine

For applying Mastica

Our special price, **$3.75.**

Putty Bulb

This Improved Putty Bulb is made from a good grade of rubber. Very handy for glazing greenhouses....**$1.25 each**

(Parcel Post weight, 1 lb.)

Supplies for the Garden and Greenhouse

G. & T. Co.'s Plant Tubs

$2

These Plant Tubs are made from best-grade cedar, with staves $\frac{13}{16}$ ins. thick. Strong iron handles and feet. Reinforced with extra-heavy, flat iron hoops one inch or more wide. Just the thing for palms, rubber plants, etc. Painted green, with black trimmings.

	Top diam.	Bottom diam.	Depth	Weight	Each
No. 1	12	9¾	10¾	9	$2 00
No. 2	13	10¾	12¾	13	2 70
No. 3	14½	12 $\frac{1}{16}$	14¾	15	3 10
No. 3½	16½	14½	15¾	18	4 00
No. 4	19⅞	17¼	16⅝	21	4 40
No. 5	22⅞	20¼	18½	26	5 75

Cedar Plant Tubs

BALTIMORE STYLE

SIZE No. 3 60c

Made of seasoned white cedar and bound with electric-welded wire hoops; painted inside and out with the best-quality green paint, to insure long life. Very practical for florists and for home use.

	Inside top diam. Inches	Inside bot. diam. Inches	Inside depth Inches	Weight	Each
No. 3	8	6	8	3	$0 60
No. 4	9	7	9	3	65
No. 5	10	7½	9	4	75
No. 6	11	8½	10	4	90
No. 7	12	9	11	5	1 15
No. 8	13	10	12	6	1 45
No. 9	14	11	13	7	1 65
No. 10	15	11½	14	8	1 85
No. 11	16	12½	15	9	2 10

Galvanized Plant Boxes

GREEN FINISH

Sub-irrigating device insures uniform distribution of water and air throughout the entire length of box. Best results obtained by putting gravel, charcoal, moss, or something of the kind in bottom of box up level with top of horizontal water conductor. Then fill with rich earth. Water through upright tube.

	Weight	
24 x 8½ x 6 in.	5 lbs.	$1 25
30 x 8½ x 6 in.	6 lbs.	1 40
36 x 8½ x 6 in.	7 lbs.	1 75
42 x 8½ x 6 in.	8 lbs.	2 15
48 x 8½ x 6 in.	10 lbs.	2 50

Rustic Bird-Houses and Feeders

Scientifically constructed from genuine cedar to meet the habits and tendencies of the birds for which the houses are designed.

No. A. Wren House. 5 in. **$0.35 each.**
No. 35. Wren House. 8 in. **$0.50 each.**
No. 30. Wren House. 7 in. **$1.00 each.**
No. B. Bluebird House. 10 in. **$0.75 each.**
No. C. Robin Roost. 11½ in. **$1.45 each.**
No. 118. Suet Rack. $1.50 each.
No. 111. Winderfeeder. $3.00 each.
No. 116. Seed Feeder. $0.85 each.
No. 114. Suet Basket. $0.40 each.
Wild Bird Cakes, $0.30 each; 3 for $0.75.
Wild Bird Food, lb. $0.10; 5 lbs. $0.40; 10 lbs. $0.75; 25 lbs. $1.50.

Earthenware Flower Pots and Saucers

2c each

2-INCH SIZE FLOWER POT

Size	Pots Each	Pots Doz.	Pots 100	Saucers Each	Saucers Doz.
2-in.	$0 02	$0 20	$1 25		
2½-in.	02½	25	1 65		
3-in.	03	30	2 00		
3½-in.	04	40	2 50		
4-in.	04½	45	3 00	$0 04	$0 40
5-in.	08	75	5 25	05	50
6-in.	10	1 00	7 50	06	60
7-in.	17	1 65		10	1 00
8-in.	25	2 50		12	1 20
9-in.	35	3 75		15	1 50
10-in.	50	5 00		22	2 25
12-in.	1 00	10 25		35	3 50
14-in.	1 60			45	
16-in.	3 00			85	

BULB PANS and AZALEA PANS. 4- to 12-in., same prices as above.

Bird's Red Improved Neponset Flower Pots

These Pots are made of specially treated paper which is water-resistant. The reinforcing disc in the bottom prevents the roots from growing out, and adds strength to the Pot. Used extensively by florists and gardeners.

	Weight Per 100	Doz.	100	1,000
2¼-in.	2 lbs.	$0 08	$0 50	$3 75
2½-in.	2 lbs.	10	55	3 90
3 -in.	3 lbs.	15	65	4 90
3½-in.	4 lbs.	18	85	6 25
4 -in.	5 lbs.	20	1 00	7 80
5 -in.	8 lbs.	25	1 30	10 50
6 -in.	11 lbs.	30	1 75	14 00

B-B Waterproofed Seed Flats

Each containing a dozen 2-inch square pots. Start your flowers indoors, this modern way, and have earlier and better flowers.

One flat and 1 doz. 2-in. pots, 15 cts. each; 2 for 25 cts.; 2 weighs 1 lb.

B-B Garden Flat

	Capacity		
X-1	36	2-in. Pots	$0.40 each
X-3	16	3-in. Pots	.45 ceah
X-318	24	3-in. Pots	.55 each

Square Pots for B-B Flats

2-in. ..... **$0.85 per 100**
3-in. ..... **1.25 per 100**

Celery Bleachers

Saves labor, eliminates waste, insures better product and increases volume.

	Doz.	100	Weight Per 100
6½ x 13	$0 45	$3 50	12
7 x 14	50	4 00	13

Celery Handler

(To apply bleachers)

Tin, **$1.00**; Brass **$3.00.**

Watermat

By using Watermats in the pot saucer the roots of house plants are fertilized and watered scientifically from the bottom. This creates a condition similar to a greenhouse, and insures healthier and more beautiful plants and flowers.

	Each
Small size. 3½-in.	$0 20
Medium size. 4½-in.	25
Large size. 6-in.	30

Watermat and Green, Non-rusting Copper-alloy Saucer

	Each
Small size. 3½-in.	$0 35
Medium size. 4½-in.	40
Large size. 6-in.	50

Plant Sprinklers

12-OZ. SIZE $1.00

Weight 1 lb.

For sprinkling cut-flowers, seedlings, plants, clothes, etc.

No. C-1. Standard 12-oz. Sprinkler..... **$1.00**
No. B-2. Spray Bulb, Water or Powder.... **50**

New Streamline Watering Pots with Removable Rose

Easier to carry, easier to pour. Handle rounded to fit the hand.

4-qt.	$0 70
6-qt.	75
8-qt.	85
10-qt.	95
12-qt.	1 15
16-qt.	1 45

New streamline tall type. 7 qt. **80 cts.**; 9 qt. **90 cts.**; 11 qt. **$1.10.**

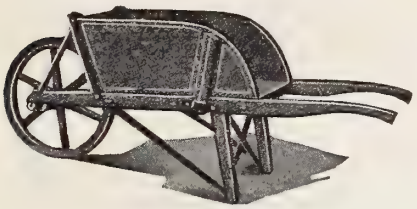
Wotherspoon Watering Pots

Made from the best grade of galvanized iron, very heavy and strong. The long spout makes them very desirable for greenhouse and flower-bed use. Equipped with a fine and coarse nozzle, with copper perforation.

4-qt.	$4 75	10-qt.	$5 95
6-qt.	5 25	12-qt.	6 25
8-qt.	5 50	Roses	65

Wheelbarrows for Every Purpose

Baltimore Garden Barrows



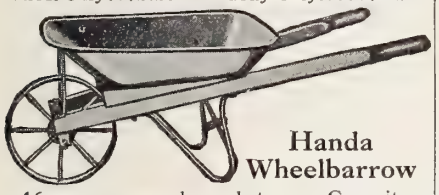
Made of seasoned wood. Double frames, firmly bolted, iron braced.

No.	Hub	Length	Front Width	Back Width	Wheel	Tread	Wheel Only	Price
1.	19½	30	24	25	21	1¾	**$3 20**	**$9 00**
4.	14⅞	26	19	22	20	1¾	**2 80**	**7 25**
5.	14⅞	28	20	24	20	1¾	**2 80**	**7 75**
6B.					Steel		**1 75**	**5 00**
Boys		22	15	18	Steel		**1 75**	**6 00**

Steel Wheel for Nos. 4 and 5. **80 cts.** additional.
Tire Wheel, 3-in., for Nos. 1, 4 and 5. **60 cts.** additional.
Plain Pneumatic Wheel on Nos. 1, 4 and 5, add **$7.00.**
Plain Handles. 80 cts. each.

Solid Pressed Steel Tray Barrow

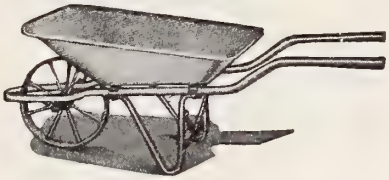
No. K5X. Steel wheel; channel steel legs; improved steel nose-guard. Capacity, 4 cubic feet. Weight, 64 lbs....**$8.00 each**
Wheel only..**$2.25** Tray only.....**$4.20**



Handa Wheelbarrow

16-gauge pressed steel tray. Capacity, 3 cubic feet. Flat steel legs; substantial steel wheel. Weight, 45 lbs.....**$4.20 each**
Wheel only..**$1.75** Tray only.....**$2.40**

Tubular Frame Solid Pressed Steel Tray Barrow



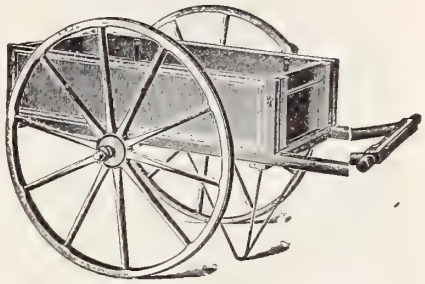
No. TT. Tray 15-gauge steel. Capacity, 3 cubic feet. Wheel, 16-in. diam.; tire 1½ x ⅜-in., bored for ⅝-in.; cold rolled steel axle. For moving earth, ashes, and light work. Weight, 20 lbs...**$8.00 each**
Tray only.**$3.60** Wheel only....**$1.75**
No. T5X. Tray 16-gauge steel. Capacity, 4 cubic feet. Mounted on same frame as No. TT4. For general purposes and light running. Will stand hard usage. Weight, 75 lbs.....**$9.00 each**
Steel Barrow with Pneumatic Tire, add **$6.50.**

Solid Pressed Steel Tray Coal and Coke Barrow T8

No. T8. Tray of best-quality 15 gauge steel, with wired edge; top of tray, 41½ in. long and 33 in. wide; depth at wheel, 11½ in. and at handle, 8 in. Capacity, 6 cubic feet. Weight, 100 lbs.....**$11.60 each**
Tray only.**$6.20** Wheel only....**$2.50**

Wheelbarrow Leaf-Rack Attachment

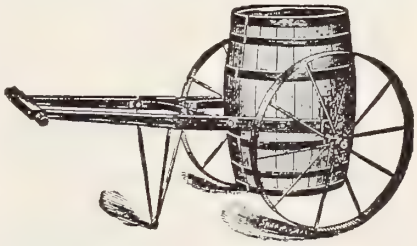
Can be attached to any style or size wheelbarrow with removable sides. Most convenient for gathering leaves, cut grass, and rubbish. One of these attachments should be in use on every small suburban place, as well as the larger estates. Capacity, 10 bus. Made of galvanized wire, bolted to a wooden base. Price.....**$5.50 each**



Baltimore Push-Cart

With Steel Wheels

Box, 40 x 22 x 10 in.; tire, 1½ in.; wheel, 36 in.; axle, 1⅛ in.; hub, 6 in.....**$20 each**
Box, 50 x 28 x 10-in.....**$24 each**
Extra Wheels, **$4.00** Extra Axles, **$1.25**

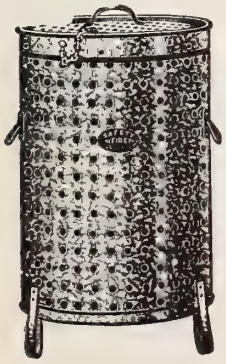


Water-Trucks and Push-Carts

Water-Truck. With regular 1½-in Tire Steel or 2½-in. Wood Wheels. Height, 32 in.....**$16 00**
Water-Truck and Barrel..... **21 00**
Water-Truck and Box..... **19 50**
Water-Truck, Barrel, and Box.... **24 50**
Sprinkling Attachment..... **5 50**
Leaf-Rack..... **10 50**
Barrel..... **5 50**
Box..... **3 50**
Trunnions. Per pair..... **1 00**
2½-in. Tire Steel Wheels, extra..... **70**
3½-in. Tire Steel Wheels, extra..... **1 50**

For best results, use Griffith & Turner Co.'s Garden Fertilizer. **See page 42**

GARBAGE CANS, ASH CANS, TRASH BURNERS, Etc.



Trash Burner or Consumer

The best way to dispose of your waste-paper and rubbish is to burn it in a Consumer. Avoids danger and helps to keep the yard and lawn clean from litter.

No. 4. 20 in. diam.; 33 in. high....**$4.50**
No. 3. 17 in. diam.; 28 in. high....**$3.50**

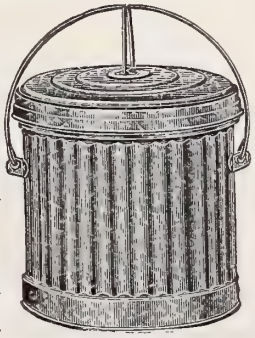
Garbage Cans

Hot Dipped Galvanized

No. 904. 4¼-gal. **70 cts. each**
No. 906. 6-gal. **80 cts. each**
No. 908. 8½-gal **95 cts. each**
No. 910. 10-gal. **$1.10 each**

Lighter Ash Cans

No. 712. 12-gal. **$1.35 each**
No. 718. 18-gal. **$1.60 each**

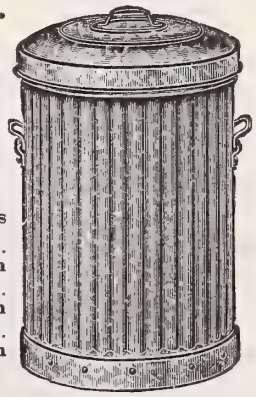


Ash Can

With Cover
Hot Dipped
Water Tight

Heavy Ash Cans

No. 515. 20-gal. **$4.50 each**
No. 578. 26-gal. **$5.00 each**
No. 520. 33-gal. **$5.50 each**



Pruning and Trimming Tools

Hedge Shears

P. P. Weight, 3 lbs.

"Lightning" Hedge Shears

Made of high-grade cutlery steel, hardened and tempered, hollow-ground, and polished, which insures easy cutting. The blades are notched for cutting heavy branches. Handles are of hardwood, polished and finished in two colors with the tang extending through the handle and bolted to prevent the handles from coming loose. Well-balanced and easily kept sharp.

Length of Blades	Plain Edge Blades	Saw Tooth Edge Blades
8 in.	$2 50	$3 00
9 in.	2 70	3 20
10 in.	2 90	3 40

"Essex"

Hedge Shears

Full-size, hollow-ground, notched cutlery steel blades with hardwood handles of natural finish. With 6-in. blades, **75 cts.;** 8-in. blades, **$1;** 9-in. blades, **$1.10.**

Electric Hedge Trimmer

Electrimmer. Has ¼ h.p. Universal Motor, special alloy gears. Cutter blade, 12 inches long, is made of finest crucible steel. Price includes 6 feet of best rubber-covered cord. **$29.50 each**

Accessories:

4-ft. Extension Handle.....**$5 50**
50 ft. of No. 18 Cord, with Connectors..... **2 75**
100 ft. of No. 18 Cord, with Connectors..... **4 25**

Grass Shears

P. P. Weight, 1 lb.

No. 150. Bent Handle.....**$0 25**
No. 460. Trowel Handle..... **50**
No. 012E. 5½-in. Polished Blades. Sheep Shears..... **1 50**

Grass Clippers

P. P. Weight, 2 lbs.

No. 17. With cast-steel blades, wire ring catch, and unbreakable malleable iron handles that fit hand.....**60 cts. each**

No. 117. Has tempered cutlery steel, full-polished, hollow-ground blades, spring catch, and unbreakable malleable iron handles that fit the hand. Easily kept sharp.....**$1 each**

No. 137. Has offset handle which fits the hand and permits trimming close to steps, etc., and keeps hands out of dirt. Handles and blades forged in one piece of high quality cutlery steel. Cuts with ease tough grass. Easily kept sharp.....**$1.50 each**

No. 29 Kelly Grass Cutter

Serrated, double-edged, detachable 9-in. Kelly quality true-temper blade, with ash handle, and steel shaft with long ferrule. A strong, double-cutting, golf club type of Cutter that is easily kept sharp.....**$1 each**

Doo-Klip Grass Shears

These Shears have high carbon cold-rolled 5-inch steel blades, cadmium plated, to resist rust or acid. The handles are painted green and work in an up-and-down action which gives maximum power.....**$1.50 each**

Snip-It Shears. Similar to Doo-Klip but smaller blade, with 4½-in. handles painted red.....**$1 each**

Long-Handled Doo-Klip Shears

User stands erect at all times. Shears supported at proper cutting height by large wheels, which roll easily.....**$2.50 each**

Doo-Klip Weeder. A rustproof Weeder worked by one hand from a standing position. Weed is clamped so that it can be deposited where wanted.....**$1.95 each**

Grass Hooks

No. 25. Kelly Hand-Made. Steel blade. Natural finish, oval, off-set handle, securely riveted to the tang. Well designed and balanced, and easily kept sharp. **30 cts. each**

No. 1½ Kelly Champion. Polished steel blade. Offset hickory handle, strongly riveted to the tang. Scientifically designed and balanced. Easily kept sharp..... **50 cts. each**

No. 5. Long-Handle Kelly Perfect. Hickory, oval-grip, detachable handle, 44 in. long. Forged steel and polished blade 12 in. long, easily kept sharp. **$1 each**

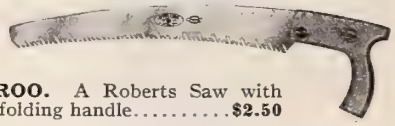
Best English. Made of the best English steel, securely fastened to handle; holds cutting edge extremely long. Easily kept sharp.

No. 2. Solid Back.....**60 cts. each**
No. 3. Solid Back.....**70 cts. each**
No. 4. Riveted Back Hedge or Grass Hook.....**95 cts. each**

No. 8. Austrian or German. Made of finest Styrian magnet steel with polished edge. Has easy-grip handle. Holds cutting edge and is easily kept sharp. **60 cts. each**

T. R. Roberts Speedsaws

These Saws are made of Atkins silver-steel, but have a new style of tooth which almost doubles the cutting speed.



TROO. A Roberts Saw with folding handle.....**$2.50**

TRI. 16-inch Roberts Speedsaw. Has quick-detachable, pistol-grip handle. A pull Saw of exceptional speed....**$3 each**

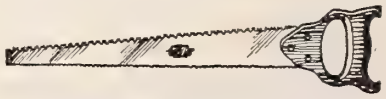
TR2-14. 24-inch Roberts Speedsaw. Has closed handle.....**$3.75 each**

Atkins Pruning Saws

Atkins Saws are made of Atkins silver-steel, an exclusive formula, which makes the blades as true and perfect as it is possible to make them. The handles are of thoroughly seasoned beech, fully lacquered and polished, and are fastened to the blade with heavy-nickeled screws. P. P. Weight, 3 lbs.

Regular Style Atkins Saws

No. 1. Table Pruner. 16-in., **$1.25 each;** 18-in., **$1.60;** 20-in., **$1.70.**

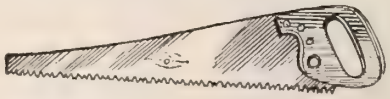


No. 3 Duplex Pruner. Toothed on one edge with lightning teeth for coarse work, on the opposite edge with fine teeth for finer cutting. 16-in., **$1.80 each;** 18-in., **$1.85;** 20-in., **$1.95.**

No. 11. Tapered Pruner. The frame is of high-grade steel, ¾ inch wide and $\frac{3}{16}$ inch thick. The ¾-inch blade can be adjusted to four angles. Frame is tapered to a point to allow cutting in narrow places. 16-in. saw, **$2.35 ea.** Extra blades, **30 cts. ea.**

No. 16. AAA Pole Tree Pruner. The peg-tooth blade can be adjusted to cut at any angle. The casting is made with a hook to dislodge cut limbs. 16-in. saw and casting, complete, **$2.50 each.** Extra blades, **$1.70 each.**

No. 17. Forester Pruner. With extra-large peg teeth. 26-in., **$2.55 each.**



No. 40. Tuttle Tooth Pruner. 24-in., **$3.40 each.**

Pruning and Trimming Tools

Budding Knives

P. P. Weight, 1 lb.

No. 7164½. White Handle. 2 blades. **$1 25**
No. 1157¼. Barlow. 1 blade..... **40**
No. 1001. Pruning. 1 blade..... **1 00**

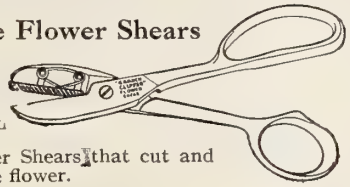
Pocket Knives

No. 1157. Barlow. 1 blade.....**$0 40**
No. 2157. Barlow. 2 blades..... **60**
No. 74340. Vest-Pocket. 2 blades. **60**

Acme Flower Shears

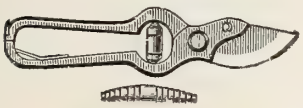
65c

Postpaid



Flower Shears that cut and hold the flower.

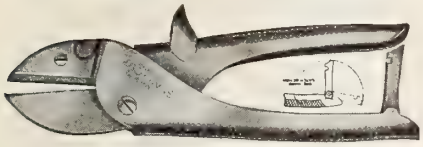
Pruning Shears



P. P. Weight, 1 lb.

No. 006. Cast-steel blade; cast-iron handles, 8 in. long with volute spring..**35 cts. each**

No. 10. Smith Ladies' Rose. Cutlery steel blades; malleable handles, 6 in. long with volute spring.....**60 cts. each**



No. 119. Smith Snap-Cut. Easily cuts ¾-inch branches. All-steel, chrome-finished handles. Unbreakable. Has improved spring catch. Easy to operate. Anvil of soft metal does not injure blades. Both anvil and blade removable. Pruner 8 inches long.....**$2 each**

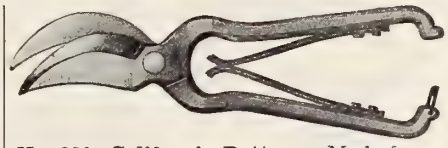
No. 19. Special Snap-Cut. Similar to No. 119. Handles painted black and orange. Has wire catch. Blade removable by taking out one rivet, anvil by one screw. An 8-inch Pruner easy to operate..**$1.50 each**

No. 9. Junior Snap-Cut. Handles painted bright green. Blade removable by taking out a rivet. No anvil is required. An ideal easy-cutting Pruner where limited service is required. 7¾ inches long.....**$1 each**

No. 118. Ladies' Snap-Cut. Design same as No. 119, except it is 6 inches long and will easily cut branches up to ½ inch.... **$1.25 each**

No. 32. Seymour Smith. All-steel 8-inch Clipper type. Polished steel blades, with black ripple enameled handles that are rounded, comfortable, and non-pinching. Wire spring catch.....**75 cts. each**

No. 22. Essex. An all-steel, 8-inch Clipper type. Tempered black finished blades with polished bevel, riveted to green enameled steel handle.....**50 cts. each**



No. 230. California Pattern. Made from high-quality cutlery steel. Polished and ground cutting parts. Enameled handles, 9 inches long, with double brass flat springs. Ratchet adjusting nut, and spring end catch.....**$1.25 each**

Extra Volute Springs.....**20 cts. each**

Improved Telephone Pruner

No. 11. Cuts 1-in. branches. Head only, Weight, 2 lbs. **$2.20 each.**

No. 12. Cuts 1½-in. branches. Head only, Weight, 5 lbs. **$5 each.**

Extra, 1¼-in. octagon Sitka or aeroplane spruce poles, complete with brass coupling for No. 11 Pruner, 8-ft. head section, **$2.55 each;** 6-ft. extension section, **$3;** 8-ft. extension section, **$3.75.**

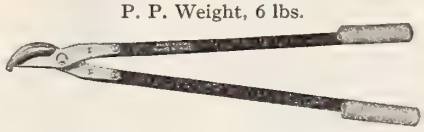
Tip-Top Tree Trimmer

A sectional Tree Pruner which will cut 1-inch branches. Can be furnished in any length in sections of 4 feet each. Sections may be added or taken away for cutting various heights; this saves the expense of buying more than one Pruner. Cuts successfully at 24 feet. It is so constructed that a pole-saw blade may be fastened on the top. P. P. Weight, 7 lbs.

No. 1312. 12-ft. Trimmer, **$2.50 each.** Extra 4-ft. sections, **50 cts. each.** Saw Blades, **$1.70 each.** For a longer or shorter Pruner, add or deduct 50 cts. for each 4-ft. section.

Lopping Shears

P. P. Weight, 6 lbs.



No. 33. High-grade cutlery steel blades, firmly riveted to steel handles. 25 in. long.....**$1.25 each**

No. 133. Cutlery steel, ground blades, full polished, with double-cutting action. Strong steel enameled handles, securely riveted to blades. 25 in. long....**$2 each**

No. 055. With tempered, polished and ground steel forgings, fitted with best 22-in. ash handles, with long strap ferrules. .**$2.45 each**

No. 726. Supercut. Built to stand hard use. Cutting parts and 26-in. handles, forged in one piece from special alloy steel. Handle-grips cannot come off..**$3.50 each**

No. 528. Orchard Pruner. A new Pruner designed especially for the modern expert fruit grower. This Pruner is the result of two years research, and experiments with the most progressive fruit growers. Cuts clean and close with its carefully tempered keen cutting edges. Light in weight, sturdy in design. Black steel handles with hardwood grips that are riveted to the shear.....**$3.50 each**

Garden Hose

Oriole Garden Hose

Our popular Oriole Garden Hose is built to last! It is made of high-grade rubber stock that will not deteriorate rapidly with age. The rubber lining or inner tube is seamless, and extra strength is given by the jacket of braided cotton. Flexible; will not kink. ⅝-in.

	Per ft.
1 to 24-ft. sections	**$0 13**
25 to 49-ft. sections	**12½**
50 to 100-ft. sections	**12**
100-ft. sections	**11½**

Gritco Garden Hose

Contains features found only in highest-priced Hose! The rubber is seamless and unusually tough. Wall of the Hose is reinforced with braided cord. Flexible and long-lasting. ¾-in.

	Per ft.
1 to 24-ft. sections	**$0 20**
25 to 49-ft. sections	**19**
50 to 100-ft. sections	**18**
100-ft. sections	**17**

Premier Garden Hose

U. S. Rubber Co.'s Hose. Single, braided, with maroon corrugated cover. Contains same high-grade rubber as more expensive brands. ⅝-in.

	Per ft.
25-ft. sections	**$0 09**
50-ft. sections	**08**

Hose Washers

5 cts. for 6; 15 cts. for 2 doz.; 60 cts. per lb.

LAWN SPRINKLERS. See page 48.

Hole-in-One Bulb Planter

P. P. Weight, 1 lb.

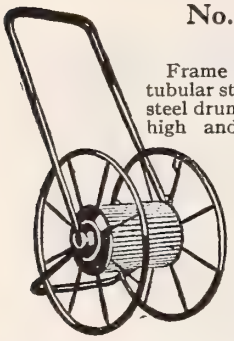
The tapered cup removes the soil and makes a perfect planting-hole in one operation. **50 cts. ea.**

Grape Bags

Wired and ready to fasten. **60 cts. per 100, postpaid; $5 per 1,000, postpaid.**

EAGLE SLAW CUTTER.....**$3 50**
TURNTABLE APPLE PARER..... **1 75**
WHITE MOUNTAIN APPLE PARER, CORER, AND SLICER.. **1 50**
CHERRY SEEDERS.
No. 2. Clamp on table..... **1 00**

Reels and Sprinklers for Every Purpose



No. B-10 Hose Reel

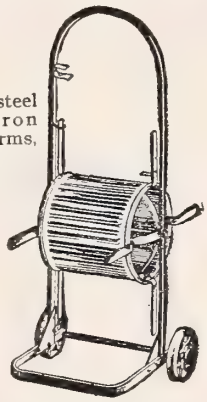
Frame and rims are of tubular steel. Has corrugated steel drum. Reel is 21 inches high and has capacity of 100 feet of ¾-inch hose...**$4.85 each**

Large Size Style B

Similar to No. 10 except drum is made of sheet steel, and the whole reel is of heavier construction.

No. 30. Capacity 400 ft. of ¾-in. hose. **$10 00**
No. 34. Capacity 500 ft. of ¾-in. hose. **16 00**
No. 40. Capacity 800 ft. of ¾-in. hose. **35 00**

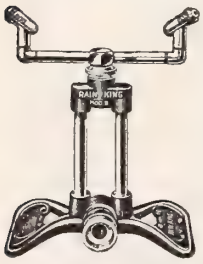
Victor Hose Reel



Constructed with steel frame, strong cast-iron wheels, solid steel reel-arms, and 9-inch drum of heavy, corrugated steel. Capacity, 100 ft. of ⅝-inch hose..... **$1.50 each**

Model D Rain King

For circles up to 50 feet—revolving or stationary



Double nozzles can be set to water circles, long narrow strips, hard-to-reach corners. Each nozzle a sprinkler in itself. Throws any kind of spray from heavy shower to floating mist. The brass arms, mounted on red enamel base, give it unusual distinction. Height, 9 in..... **$2.85 each**

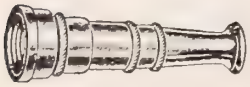
Baby Ring Brass Sprinkler

Waters a circle up to 28 feet in diameter. Easily moved.....**65 cts. each**

Rain King Hose Nozzle

Adjustable; solid brass, chrome plated; tarnish-proof and leak-proof..... **65 cts. each**

Jewell Cast Brass Nozzle



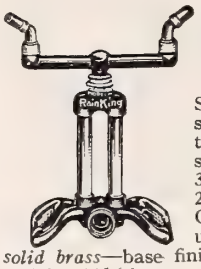
Adjustable. No leaks. Highly polished. **50 cts.**

Stamped Brass Nozzle. 25 cts.

Brass Couplings

Brass. ¾-in. couplings..... **20 cts. each; $2.25 per doz.**

Model H Rain King



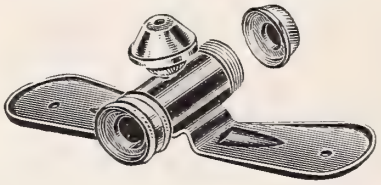
Chrome plated—America's most beautiful Sprinkler

A bigger, more rugged Sprinkler with new-type short-stem nozzles that throw more water when set for fine spray—over 300 gallons per hour on 20 pounds pressure. Chrome-plated nozzles, uprights and fittings of *solid brass*—base finished in green enamel. Height, 11¼ in.....**$3.75 each**

Cast Brass Flat Spray

Throws a fan-shaped, fine spray. Ideal for delicate flowers, tender plants, gardens, and lawns.
⅞ x 5¼-in....**65 cts.**

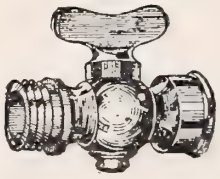
Baltimore Multiple Sprinkler



Has adjustable heads and sprays uniformly. Base 2 x 8⅞ in. Can be connected in a series with short lengths of hose, making a movable, flexible Sprinkler system. Each Sprinkler sprays a square plot, which is an improvement and saving over the old types which spray a round plot..... **85 cts. each**

Garden Hose Divider

Permits hose to be divided and used with two sprinklers. ¾-in..... **75 cts. each**



Cast Brass Shut-Off

Will save time when Sprinkler has to be moved or adjusted...**$1.30 each**

Multi-Grip Hose Menders and Couplings

Newest type. Will not injure the hose. Couplings are of wrought brass, with fingers of steel.

Menders. ⅝- or ¾-in..... **15 cts. each; $1.75 per doz.**

Couplings. ⅝- or ¾-in..... **25 cts. each; $2.90 per doz.**

Brass Clamps

Brass Hose Clamps. ⅝- or ¾-in. **5 cts. each; 50 cts. per doz.**

Model G Rain King

The new-type, slow-revolving Sprinkler for circles 12 to 100 feet

Turns slow or fast on slopes, level ground, or in high winds—has spinning eccentric that prevents stalling. Gives complete, even coverage—soaking downpour or light spray as desired. New disc-type, easy-to-move base. Simple, strong, it will last a lifetime. Brass arm, upright and nozzle on green enamel base. Height, 11½ in.....**$3.95 each**

Model J Sprinkler

Sprinkles circles up to 150 feet, and the price is about half that of other comparable Sprinklers. Looks like the Model G, only larger and heavier. Has spinning eccentric on patented triple-jet nozzle which permits slow turning yet positively prevents stalling, even in wind. Three sets of special nozzle inserts for ALL pressures—instantly changed. Puts out 1,400 gallons per hour at 60 pounds pressure, 900 gallons at 40 pounds. Perfect distribution over circles up to 140 feet across. Heavy steel base, 14 inches across. Bronze bearings.....**$7.95**

G. & T. Sprinkler

revolving Sprinkler that will thoroughly distribute water in a circle 34 ft. in diam.; 4¼ in. high. Red base 7 x 7½ in. Solid brass head. Can be regulated by the amount of water pressure....**$1.00 each**

The Fountain Shower

The Hose Nozzle with "Mist-like Spray"

Gives a fine gentle shower and does not injure the plants as a heavy stream might do. (Weight, 1 lb.).. **50 cts. each**

Hose Rack

A hose-preserver, since the hose hangs on the Rack in large, natural coils, thus preventing kinking and twisting. This Rack not only provides a convenient storage for the hose, but is easily carried on the shoulder, from basement to sillcock. Made with flat hanger, to hang from nail or other support. Capacity, 100 feet of ¾-in. hose. **$1.15 each**

Garden Tools of Finest Quality

Scuffle Hoe

With Handle **$1.35**

No. XGS. Brace or Shank Scuffle Hoe, 8-in. steel blade, with handle.
$1.35 each

Edging Knives

Flat Top **$1.00**

No. 040X. Solid steel turf-edger...**$1 00**
No. 440. Flat-top turf-edger..... **1 00**

Floral Shovel.....**$1 00**

No. 1 Sod Lifter

$2.50

Planet Jr. Lawn Edger

$1.40

Steel Barley Fork

No. BO184X. 4-tine.....**$2.00**

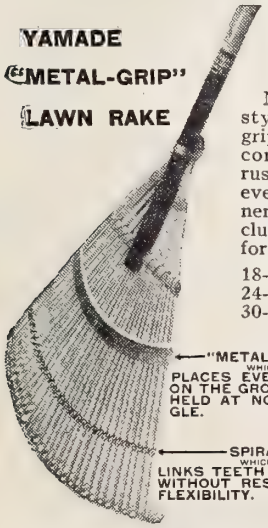
Grape Hoe

IGH7. **$2.25**

Street Hoe

No. 12S. 12-in. blade; steel shank; 5½-ft. handle.....
$2.00 each

YAMADE "METAL-GRIP" LAWN RAKE



Note the new style with metal grip made of non-corrosive, never-rusting steel. Keeps every tooth permanently placed. Exclusive distributors for this style Rake.

18-in.....**$0 50**
24-in..... **75**
30-in..... **1 25**

Speedy Pull Hoe

Weeds and Cultivates **$1.00**

It weeds and cultivates in one operation. V-shaped blade bites into ground while side-guards protect plants in close work. Blade, 4 in. Handle, 4½ ft.

No. SL13.....**$1.00 each**

Speedy Cultivator

3 Prongs **$1.15**

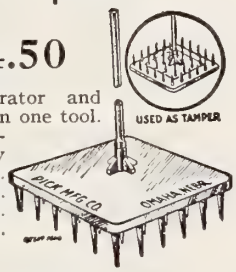
Has three high-carbon steel prongs which penetrate any soil easily. For all types of gardens. 4½-ft. handle.
SL5.....**$1.15 each**
Speedy Jr., 3 prongs.....**$1.00 each**

Speedy Soil Stir

3 Steel Prongs **$1.00**

Long-handled, to cultivate difficult places in flower and rock-gardens, and under shrubbery. 4½-ft. handle.
No. SL1.....**$1 each**

Spike Tamper **$4.50**



A heavy Perforator and Tamper combined in one tool. Can be quickly converted to either by removing one nut. Plate 9 in. square. Spikes, 1¾ in. long. Length overall, 4 ft. Weight, 13 lbs.

Tampers for Post, Sod, and Cement

With extra-large wood handles, 2¼ inches in diameter.
No. 2. Round Tamper. 5-in. diam. (Weight, 15 lbs.).....**$1 60**
No. 5. Square Tamper. 6 x 6 in. (Weight, 12 lbs.)..... **1 35**
No. 6. Square Tamper. 8 x 8 in. (Weight, 17 lbs.)..... **1 65**
No. 7. Square Tamper. 10 x 10 in. (Weight, 20 lbs.)..... **1 85**

Garden Sets

No. 3FSX. 3-piece, 5-T rake, shovel and hoe. **$1.75**
Shovel.....**85 cts. each**
Rake.....**60 cts. each**
Hoe.....**75 cts. each**

Two-Hole Mortar Mixers

No. SM29. 9-in. blade; solid socket; 5½-ft. handle..**$1.90 each**
No. SM210. 10-in. blade; solid socket; 6-ft. handle.....
$2 each

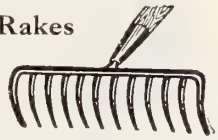
Straight Tooth Rakes

12 Tooth **90c**

No.
12LX. 12-tooth.**$0 90**
14LX. 14-tooth. **95**
16LX. 16-tooth.....**$1 10**
18LX. 18-tooth..... **1 30**

Curved Tooth Rakes

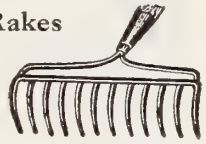
14 Tooth **$1.05**



No. 14CX. 14-tooth.....**$1 05**
No. 16CX. 16-tooth..... **1 15**

Prize Bow Rakes

12 Tooth **$1.10**



No. B12X. Price Bow-braced Rake; solid steel; 12-tooth.....**$1 10**
No. B14X. Prize Bow-braced Rake; solid steel; 14-tooth..... **1 20**
No. B16X. Solid, Bow-braced Rake; solid steel; 16-tooth..... **1 30**

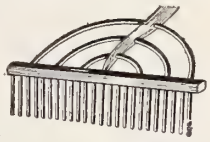
Steel Road Rake

14 Tooth **$1.90**

No. X14. 14-tooth..
$1.90 each
No. X16. 16-tooth..
$2.00 each

Wood Rake

24-Tooth 3 Wire Bows **70c**



Extra teeth.....
3 cts. each

Wire Rake

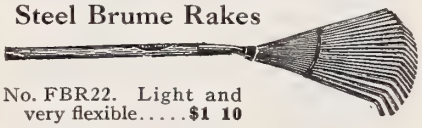
$1.05

No. 124R. 24-tooth.

Invincible Garden Cultivators

Tines can be adjusted by simply turning a nut.
No. 1GC3X. 3-shank.....**$0 95**
No. 1GC5X. 5-shank..... **1 20**
Extra teeth..... **15**

Steel Brume Rakes



No. FBR22. Light and very flexible.....**$1 10**
No. LC24. Lawn Comb.....**$1 75**

DANDELION RAKE

No. PE. 16-inch.....**$0 75**
No. PE. 20-inch..... **85**

Farm and Garden Tools

Naylor Brand Plain Black Shovels

The blade and straps are made from separate pieces of steel, with straps welded to the blade. In the blade, stiffness, strength and resistance to abrasion are essential. In the strap, steel is required which is tough, yet ductile enough to conform to the curve as well as the round of the handle.

LONG-HANDLE ROUND-POINT SHOVEL. No. N-103. Size 2..**$1.40 each**

ROUND-POINT D-HANDLE SHOVEL. No. N-102. Size 2.....**$1.40 each**

D-HANDLE SQUARE-POINT SHOVELS. No. N-100. Size 2, **$1.40**; Size 3, **$1.45**; Size 4, **$1.50.**

D-HANDLE SPADES.

No. N-124. Size 2, Standard Spade, long handle.....**$1 40**
No. N-125. Size 2, Standard Spade, D-handle..... **1 40**
No. N-118. 18-in. Ditching Spade, D-handle..... **1 90**
No. N-120. 18-in. Drain Spade, Round-point, D-handle..... **1 90**

WESTERN PATTERN SCOOPS.

No. N-312. Size 4, D-handle.....**$1 50**
No. N-312. Size 6, D-handle..... **1 60**
No. N-312. Size 8, D-handle..... **1 70**
No. N-313. Size 4, long handle.... **1 50**
No. N-313. Size 6, long handle.... **1 60**
No. N-313. Size 8, long handle.... **1 70**

FURNACE SCOOP. No. 60.**60 cts. each**

SNOW SHOVEL. No. 51. General Purpose.....**50 cts. each**

Ames Shovels and Spades

GENUINE OLIVER AMES

Each Shovel and Spade which bears the signature "Oliver Ames" is your continued guarantee of matchless service. It is identified by the genuine O. Ames Label. Significant of the O. Ames grade is the blade of Ames special alloy, heat-treated for maximum resistance to abrasion, with selected second-growth Northern Ash, extra-strong, fine-grained handle.

LONG-HANDLE ROUND-POINT SHOVEL. No. A-1030.....**$2.10 each**

LONG-HANDLE SQUARE-POINT SHOVEL. No. A-1010.....**$2.10 each**

SQUARE-POINT D-HANDLE SHOVEL. No. A-1000.....**$2.10 each**

D-HANDLE SPADE. No. A-1240. Standard.....**$2.10 each**

A Grade

NURSERY SPADE. No. A-1280. D-handle, full-strapped.....**$3.75 each**

LADIES' or BOYS' SHOVELS. Each
No. A-1150. Ladies' or Campers'..**$1 25**
No. A-1140. Campers' or Auto.... **1 25**

Schwab Long-Sweep Grain Cradle

The Schwab Balance Cradle is made from best material and nicely finished. With 4-finger American blade, **$6.50**; 5-finger, **$7.** Oil-sprung Cradle Finger...**40 cts. each**

Sta-Tite Snaths

No. 300. All blades fit and stay tight. Has new back-saver heel-plate. For light or heavy mowing. 60 in.....**$1.75 each**

No. 50 I-B-S. With back-saver heel-plate. For grass. 60 in.....**$1.55 each**

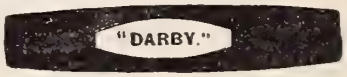
Grass Scythe

Earle Special. (Uses No. 50 I-B-S Snath.) **$1.55 each**

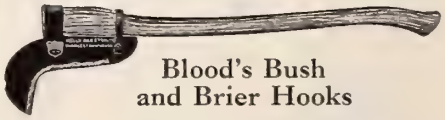
Bush and Weed Scythe

Uses No. 300 Sta-Tite Snath....**$1.65 each**

Scythe Stones



Darby Creek.....**$0 20**
TJ3. Abrasive..... **30**
TN15. English Round..... **30**
TS3. Rifle..... **20**
TS2. Quick-Cut..... **15**
JD2. Utility File..... **1 00**



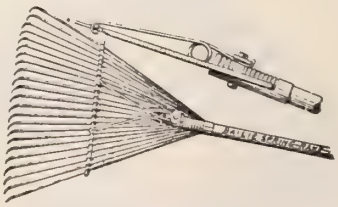
Blood's Bush and Brier Hooks

No. 10. Axe-handle.....**$1.85 each**

English Waldron Blades

Grass Scythe. 34-in.....**$3 25**
Grass Scythe. 36-in..... **3 40**
Grass Scythe. 38-in..... **3 60**
Bush Scythe..... **3 00**
Weed Scythe..... **3 25**

Bailie Lawn Rake

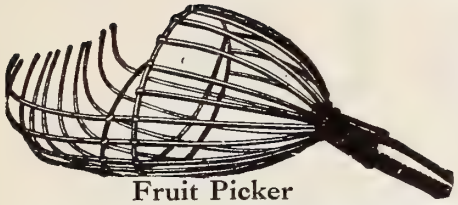


Note the spring on back.
$1.75

Wall Nails

For training vines.
1-in., 35 cts. per doz.; 1½-in., 45 cts per doz.; 2-in., 60 cts. per doz.

Tools for the Farm and Garden



Fruit Picker

As a Fruit Picker it has no superior. It is made of heavy wire, and easily adjusted to a pole. Shipping weight, 1 lb...**60 cts. each**

Handles

Manure Fork Handles with Strap Ferrule.
No. X. 4½ ft., with strap ferrule and cap.....$0 50
No. X. Plain, 4½ ft..... 35

Hay Fork Handles
No. X. Plain, 6 ft..... 50
No. X. Plain, 7 ft..... 60
No. X. Plain, 8 ft..... 85

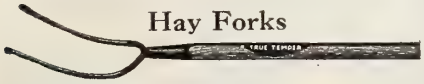
Garden Hoe Handles
No. X. Plain, 4 ft..... 25

Eye Hoe Handles
No. X. For Dig-Easy Hoe, 4½ ft., 2-in. butt..... 45

Shovel Handles (Plain)
No. X. Long, 4½ ft..... 45
No. X. D Handle..... 50

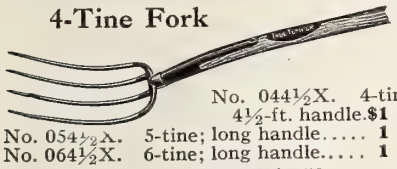
Rake Handles
No. X. Plain, 5½ ft..... 30

Hay Forks



STRAP FERRULE
No. 026X. 2-tine; 6-foot handle.....$1 70
No. 036X. 3-tine; 6-foot handle..... 1 70
No. 037X. 3-tine; 7-foot handle..... 2 20
No. 038X. 3-tine; 8-foot handle..... 2 50

4-Tine Fork



No. 044½X. 4-tine; 4½-ft. handle.$1 55
No. 054½X. 5-tine; long handle..... 1 70
No. 064½X. 6-tine; long handle..... 1 90

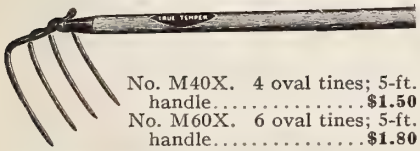
BATCHELOR FORK
No. 044. 4-tine; 4-foot handle..... 1 85

D-HANDLE MANURE FORKS
No. 04DX. D handle; 4-tine; regular.. 1 50
No. 05DX. D handle; 5-tine; regular.. 1 65
No. 06DX. D handle; 6-tine; regular.. 1 85
No. 151. D handle; 4-tine; heavy..... 2 90
No. 153. D handle; 4-tine; extra heavy 3 15
No. 157. D handle; 5-tine; extra heavy 4 05

Spading Forks

No. OHWX. 4-tine; angular back...$1 90
No. OLDX. Medium weight..... 1 40
No. JOW. Jumbo. 4 polished tines. 2 60
No. B4D. Boy's. 4-tine..... 1 00

Manure Hooks



No. M40X. 4 oval tines; 5-ft. handle.....$1.50
No. M60X. 6 oval tines; 5-ft. handle.....$1.80

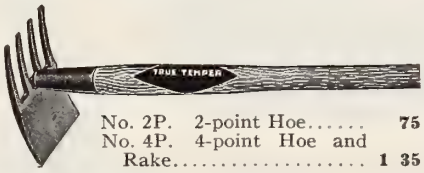
Ensilage Forks

No. 510

No. 508B. 8 16-in. tines; iron D handle.$3 00
No. 510B. 10 16-in. tines; iron D handle 3 55

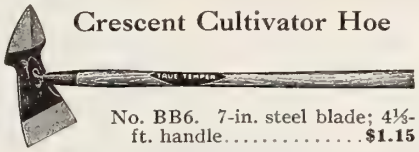
No. 100S

No. 100S. Stone Fork. 10-tine; D handle.....$3 80
No. 102S. Stone Fork. 12-tine; D handle..... 4 30
No. 910. 10-tine; scoop shape; malleable D handle; strap ferrule..... 3 40
No. 912. 12-tine; scoop shape; malleable D handle; strap ferrule..... 4 10
No. 712. Coke Forks. 12-tine; D handle; strap ferrule..... 4 20



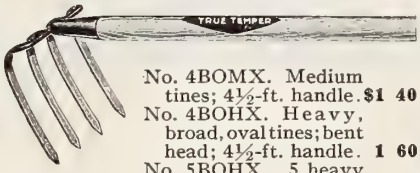
No. 2P. 2-point Hoe..... 75
No. 4P. 4-point Hoe and Rake..... 1 35

Crescent Cultivator Hoe



No. BB6. 7-in. steel blade; 4½-ft. handle.....$1.15

Potato Hooks



No. 4BOMX. Medium tines; 4½-ft. handle.$1 40
No. 4BOHX. Heavy, broad, oval tines; bent head; 4½-ft. handle. 1 60
No. 5BOHX. 5 heavy broad, oval tines; bent head; 4½ ft. handle..... 1 85

Dock Diggers

No. 39D. Square point.....$1 90
No. 39A. V point..... 2 00

Planter Hoes

No. P75-P75X. Heavy-handled Planter Shank Hoe. 7-in. blade.....$0 85
No. P8-5X. Heavy-handled Planter Shank Hoe. 8-in. blade..... 85

Garden Hoes

No. GO-67X. Solid Steel Garden Socket Hoe.....$1 20
No. G67X. Solid Steel Garden Shank Hoe..... 1 05
No. TY4X. Solid Steel Ladies' Shank Hoe..... 75

Standard Earth Augers

No. 5. Bores holes to 8 in. in diam., 3½ ft. deep... **$5.50 each**
No. 8. Bores 7 holes, 8 to 14 in. in diam., 3½ ft. deep.....**$6.50 each**
No. 16. Telescope. Bores holes 8 to 14 in. in diam., 10 ft. deep..**$16.00 each**

Pick and Mattock Handles

First-quality hickory Handles....**45 cts. each**

Perfection PH Digger.....$1 50

Picks, Mattocks, and Grub Hoes

No. 1 Gritco. 7-lb. best-quality warranted steel Railroad Picks.....$1 00
No. 2 Gritco. 8-lb. best-quality warranted steel Railroad Picks..... 1 20
No. 1 Gritco. 5-lb. best-quality warranted steel Mattocks..... 1 00
No. 1 Gritco. 6-lb. best-quality warranted steel Mattocks..... 1 15
No. 2 Gritco Warranted Grub Hoe... 1 15

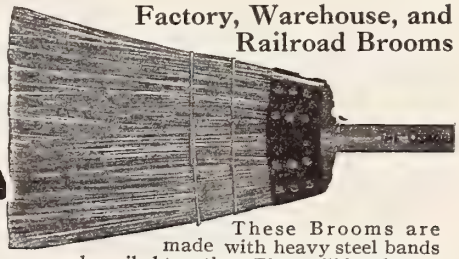
Dig-Easy Mattock Hoes

No. DE3X. 1⅜-in. and 3-in. blade..... **$1.40 each**

Steel Asphalt Rake

No. 1014. 14-tooth; strap ferrule.**$2.90 each**

Factory, Warehouse, and Railroad Brooms



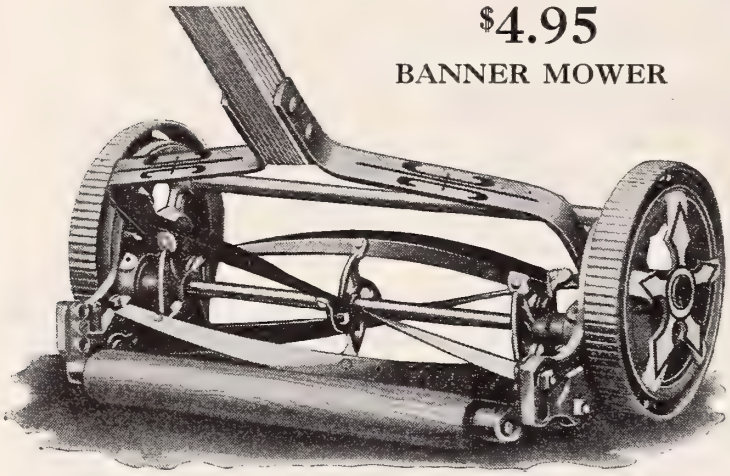
These Brooms are made with heavy steel bands securely nailed together. They will last longer and give better service than the ordinary corn Broom.
No. 223. Japanese Fibre; 14-in.....$0 60
No. 221. Japanese Fibre; 16-in..... 70
No. 200. All-Corn Heavy Warehouse Broom..... 80
No. 211. Corn and Bamboo Broom.. 75

Stable or Push Brooms

These Brooms are of the highest quality. Made with heavy blocks. No. 286D, Genuine African Bass, 4 rows.....$1.00
Handles..... 20

Choose from Our Line of Pennsylvania

LAWN MOWERS



$4.95

BANNER MOWER

Compare Every Feature!

- **Has 4 Crucible Steel Cutting Blades!**
- **Runs Smoothly on Ball-bearings!**
- **Has 8-inch Open-spoke Wheels!**

A Mower that's known to hundreds of Griffith & Turner customers for its many superior features! Cutters are mounted on smooth-running ball-bearings, accurately machined and perfectly aligned.

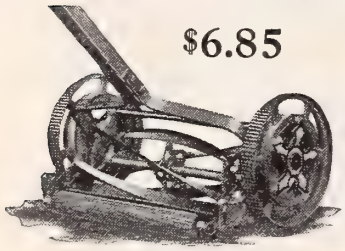
12-in. Cutting Blades	**$4 95**
14-in. Cutting Blades	**5 25**
16-in. Cutting Blades	**5 40**

KLIFTON MOWER
10-in. wheel. 4 blades.
14-in. $5.80; 16-in. $6.00; 18-in. $6.50.
Rubber tires add $1.00

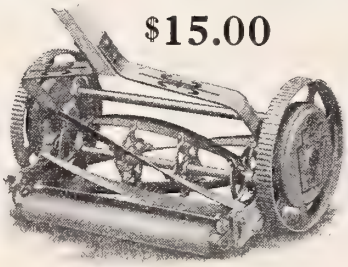
ORCHID MOWER
10-in. wheel. 5 blades.
15-in. $10.00; 17-in. $10.80

A Mower for Every Purse and Every Purpose!

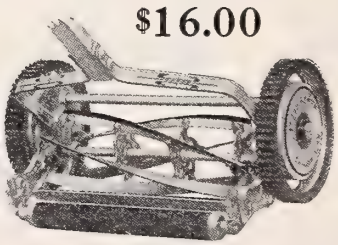
$6.85



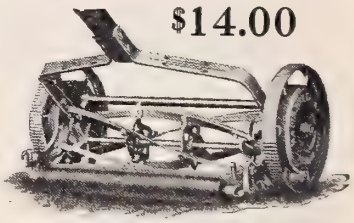
$15.00



$16.00



$14.00



THE LINCOLN
Extremely simple in construction, yet unusually strong and durable. 10-in. Wheels; 5 Blades.

14-in	**$6 85**
16-in	**7 10**
18-in	**7 50**

Rubber tires, add **$1.00**

THE WM. PENN
A Mower with all-steel ball-bearings, 10-in. Wheels, and 5 crucible steel 17-in. Cutting Blades. Made in one size only, **$15.00.**

GREAT AMERICAN METEOR
An aluminum Mower of light weight, yet sturdy construction. Weighs only 35 pounds. Solid rubber tires.

16-in. Blades	**$16 00**
19-in. Blades	**18 00**

GREAT AMERICAN
A Mower of finest Pennsylvania quality! Can be regulated to cut from ⅜ to 1⅝ inches from the ground.

15-in	**$14 00**
17-in	**15 00**
19-in	**16 50**
21-in	**18 50**

Lawn Trimmer

Fine for Close-Cutting Jobs!

$7.75

Our Ace Trimmer will do an excellent job of trimming around flower-beds, shrubs, walks, trees, etc. Has steel blades, cutter-bar, and roller.

Grass Catcher

151.	12 to 16 in	**$0 80**
155.	16 to 20 in	**1 00**

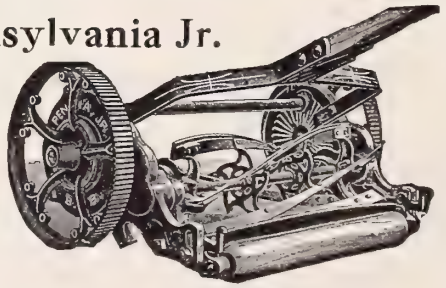
Made of extra-heavy canvas with glavanized bottom and wire handle. Awning stripe.

Pennsylvania Jr.

5 Blades

A Pennsylvania Mower that can be depended on for years of fine service!

15-in	**$20 00**
17-in	**22 00**
19-in	**24 00**
21-in	**27 00**



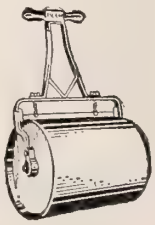
EXPERT SHARPENING AND REPAIRING

Our well-equipped shop and competent mechanics assure you a first-class job of sharpening and repairing. We will gladly receive repair jobs of every description.

CAST-IRON HAND LAWN ROLLERS

504. 20-in. diam., 20 in. long. Weight 250 lbs. **$24.00**
507. 20-in. diam., 24 in. long. Weight 300 lbs. **29.50**
509. 24-in. diam., 20 in. long. Weight 400 lbs. **38.50**

Lawn Roller



Water Ballast Type!

$9.00

With Roller Bearings and Scraper

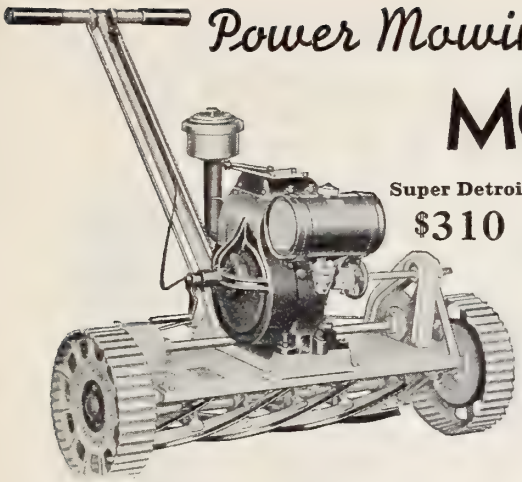
No.	Drum Diam.	Drum Length	Weight Filled	Price
601	14″	24″	175 lbs.	**$10 50**
602	18″	24″	265 lbs.	**12 00**
603	24″	24″	420 lbs.	**15 50**
604	24″	32″	560 lbs.	**17 00**

With Plain Bearings

605	14″	24″	175 lbs.	**9 00**
606	18″	24″	265 lbs.	**10 25**
608	24″	24″	420 lbs.	**13 75**
609	24″	32″	560 lbs.	**15 75**

Power Mowing at Low Cost with a Famous

MOTO-MOWER



Super Detroit

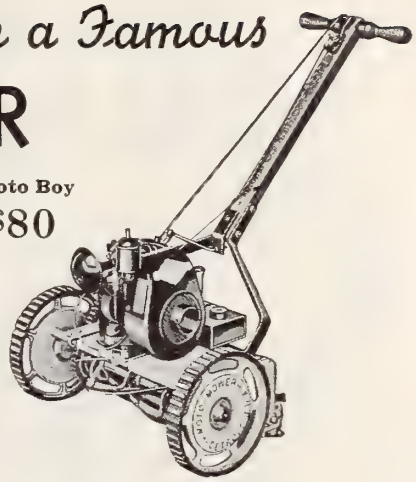
$310

Runs on Average of 8 Hours on Gallon of Gas

Here is efficient power-mowing at moderate cost! A twist of the wrist controls the power. Operates on hills and terraces. Has fine 4-cycle valve-in-head Briggs & Stratton motor. Splash oil system used. 24- and 30-inch Mower has clutch for throwing out.

Moto Boy

$80



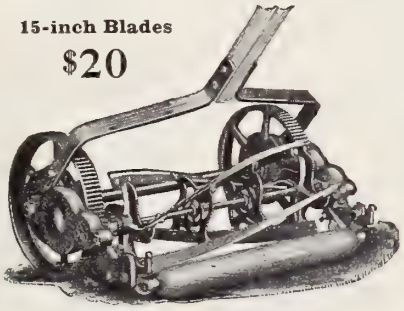
"Continental" High-Wheel Mower

One of our most popular lawn mowers. Will cut grass 2 inches high, or grass from 6 to 8 inches high.

15-in.	**$20 00**
17-in.	**22 00**
19-in.	**24 00**

15-inch Blades

$20



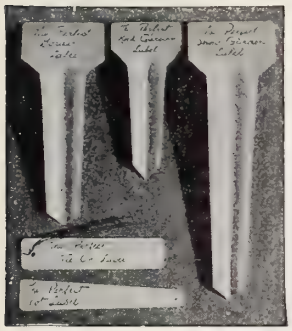
A Size and Model for Every Purpose!

Super Detroit. 30-in., with iron wheels	**$310 00**
Slip-on rubber tires, extra	**10 00**
15 x 4½-in. pneumatic tires, extra	**20 00**
Standard. 24-in., with slip-on rubber tires	**260 00**
14 x 4-in. pneumatic tires, extra	**10 00**
City Model. 22-in., with slip-on rubber tires	**210 00**
Junior. 21-in., with 11 x 3¼-in. pneumatic tires	**145 00**
Junior. 19-in., with slip-on rubber tires	**113 00**
Moto Boy. 17-in., with slip-on rubber tires	**80 00**
Super Detroit, Heavy Duty. 30-in., with 15 x 4½-in. pneumatic tires	**360 00**
Trailer Units. 20-in., with pneumatic tires	**Each 47 50**
Sulky, with pneumatic tires	**38 00**
Sickle-Bar for 24-in. Mower	**60 00**
Sickle-Bar for 30-in. Mower	**62 00**

Ask for price on Roller type mowers

GARDEN LABELS AND SUPPLIES

Perfect Garden Labels



Any ordinary lead-pencil can be used to mark this label.

The marking will last for several years in any soil, or in any weather. It can be erased for other use. Green in color which makes them blend with foliage.

	12	25	100
Border Label			
5 x 2-in.	$1 00	$2 00	$7 75
Rock-Garden Label			
4 x 1¾-in.	90	1 75	6 75
Show-Garden Label			
7 x 2⅛-in.	1 25	2 50	9 50
Tie-on Label			
3½ x ¾-in., copper wired	45	85	3 00
Pot Label			
4 x ¾-in.	35	70	2 50

G. B. Vine Supports

For training ivy, rose bushes, and all other climbers on brick, cement, or wood surface, without defacing it.

Box of 25, $1 each; 100 for $3.75, postpaid.

Pot Labels

Painted	25	100	500	1,000	Plain 1,000
4x⅝-in.	$0 15	$0 40	$1 20	$2 10	$1 65
5x⅝-in.	20	45	1 30	2 30	1 80
6x⅞-in.	25	50	1 50	2 50	2 00

Garden Labels

Painted	25	100	500	1,000
8x⅞-in.	$0 30	$0 75	$3 00	$5 00
12x1⅛-in.	40	1 00	4 50	9 00

Tree Labels

3½-in., iron wired; plain. **$1.90 per 1,000.**
3½-in., copper wired; painted. **25 cts. for 25; 40 cts. per 100; $1.50 for 500; $2.45 per 1,000.**

Twine

Green Cotton. Ball **10 cts.**; 6 balls **50 cts.**
White Cotton. Ball **10 cts.**; 6 balls **50 cts.**
Soft Jute. For tying vegetables. Ball **15 cts.**

Dennis Plant Stakes

(With rattan coil)

Better than wire, as sun does not heat the rattan and burn plant.

	Weight per doz.	Each	Doz.
3-ft.	6 lbs.	$0 10	$1 10
4-ft.	8 lbs.	14	1 35
5-ft.	11 lbs.	16	1 60

Extra Rattan, 1½ cts. per ft.

Round Stakes (Painted Green)

Heavy or Dahlia	Each	Doz.	100
3-ft.	$0 12	$1 25	$9 50
4-ft.	17	1 75	12 50
5-ft.	25	2 25	16 00
6-ft.	30	2 75	19 70
Light Plant			
1½-ft.	03	25	1 70
2-ft.	05	45	3 10
2½-ft.	06	65	4 50
3-ft.	08	80	5 75

Raffia

Natural. Lb. 25 cts. Green. Lb. 85 cts.

Chinese Tonkin Bamboo Stakes

Extra Heavy

Plain (not painted). Used for staking small trees, dahlias, chrysanthemums, and outside stock.

	Diam.	Doz.	100
3-ft.	⅜-in.	$0 25	$1 25
4-ft.	½ to ⅝-in.	45	3 00
5-ft.	⅝ to ¾-in.	65	4 25
6-ft.	⅝ to ¾-in.	75	4 75

Add 10 cts. per doz. for postage.

Japanese Bamboo Stakes

Dyed Green	Doz.	100	1,000
2-ft.	$0 15	$0 45	$2 95
3-ft.	20	65	3 95
4-ft.	25	95	5 95

Add 15 cts. per 100 for postage.

Protect Your Garden and Your Crops with
QUALITY SPRAYERS

Our Big 3¼-Gallon
HUDSON BOOSTER

- **One of Our Most Popular Sprayers!**
- **18-inch Curved Extension Rod!**
- **Has Nu-eez Funnel Top Feature!**

$3.00
Furnished in Galvanized Tank

Extremely popular because it offers so many features at low cost! Pump of seamless brass tubing, 1¾ by 12 inches. Sealed into tank by pressed-steel safety cam lock, operated by half-turn of pump handle. Impossible to remove until pressure is exhausted. (Weight, about 9 lbs.)

HUDSON PERFECTION
Full 4-gal. Capacity

$6.50
Extra Large Opening

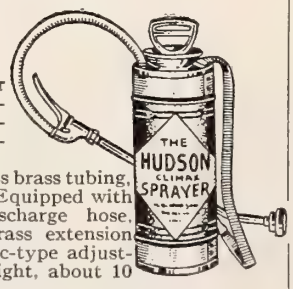
Tank is 7½ by 21 inches. Seams riveted and heavily soldered. Pump of seamless brass tubing. Equipped with 27 inches of discharge hose and 24-inch brass extension rod and adjustable nozzle.
No. 210G. Galvanized tank...**$6 50**
No. 210B. Copper tank.....**10 50**

HUDSON STERLING

Has a capacity of 4 gallons. It handles ideally whitewash, cold-water paints, insecticides, disinfectants, etc. Has the new Open Top. 24-inch high-pressure spray hose, 18-inch brass extension rod, and solid brass nozzle with various discs. (Weight, about 10 lbs.)
No. 215G. Sterling. Galvanized tank..**$5 50**
No. 215B. Sterling. Copper tank..... **8 75**

HUDSON CLIMAX
3½-gal. Capacity

$4.65



Compressed-air tank Sprayer. Fitted with our Nu-eez funnel top feature.

Pump of seamless brass tubing, 1¾ x 14 inches. Equipped with 24 inches of discharge hose, 18-inch curved brass extension rod, and brass disc-type adjustable nozzle. (Weight, about 10 lbs.)
No. 235G. Galvanized tank.....**$4.65**

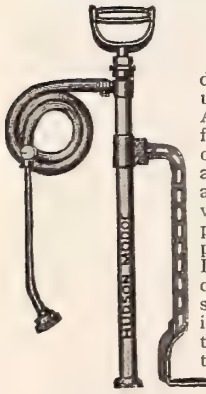
Hudson Junior Sprayer

Has a capacity of 2½ gallons. Very popular with the housewife. Equipped with the large open top.

Pump of seamless brass tubing, 1¾ x 15½ inches. Fitted with 24 inches discharge hose, 18-inch brass extension rod, and brass disc-type nozzle. (Weight, about 9 lbs.)
No. 240G. Galvanized tank.....**$4 50**
No. 240B. Copper tank..... **7 25**

Hudson Modoc Spray Pump

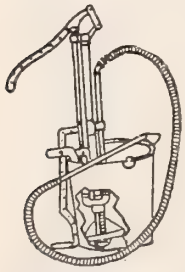
$3.75



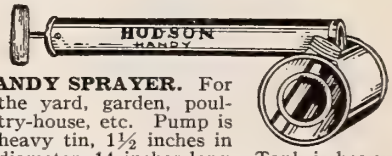
A sturdy, all-brass, double-acting, continuous Spray Pump. Adapted for spraying fruit trees, vines, gardens, ornamental shrubs and hedges, washing automobiles, wagons, windows, or as a fire pump. Develops 150 pounds nozzle pressure. Discharge equipment consists of 3 feet ⅜-inch special spray hose, 12-inch curved brass extension rod, and disc-type all-purpose nozzle.
No. 122.....**$3.75**

Hudson Moro Spray Pump

$6.40



Designed for use with whitewash, cold-water and cement paints, and sediment-bearing solutions. Tubular brass strainer has 15 times the strainer area of ordinary types. Pump cylinder seamless brass tubing. Fitted with 3 feet of discharge hose, 12-inch iron extension rod and brass disc-type, adjustable nozzle. (Weight, 10½ lbs.)
No. 126SA. (Without pail.).....**$6.40**

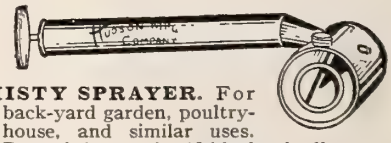


HANDY SPRAYER. For the yard, garden, poultry-house, etc. Pump is heavy tin, 1½ inches in diameter, 14 inches long. Tank is heavy tin, lock-seamed and leak-proof.
No. 440. 1-qt.....**30 cts. each**

CONTINUOUS SPRAYER. For use with all solutions that are sediment-free. Pump, 1½ inches in diameter, 14 inches long. Fitted with brass syphon tube and nozzle. Adjustable.
No. 432. 1 qt.....**75 cts. each**
No. 429B. 36 oz., all copper..**$1.60 each**

CARDINAL SPRAYER (Continuous). For use with fly-oils, insecticides, disinfectants, deodorants. Pump, 1½ inches in diameter, 14 inches long, soldered to tank, braced for extra strength. Adjustable double nozzle. Heavy galvanized steel tank, 5½ x 6¾ inches, double-seamed, thoroughly soldered, air-tested and inspected.
No. 435. 3-qt.....**$1.25 each**

GLASS JAR SPRAYER. Favorite for household use. Clear, sanitary, efficient. Can be capped and set away with liquid if desired, easily attached or detached. Pump is heavy tin with wood plug and handle. Size of pump, 1¼ x 8 inches.
No. G2½. 3½-oz.....**15 cts. each**



MISTY SPRAYER. For back-yard garden, poultry-house, and similar uses. Pump is heavy tin, 1½ inches in diameter, 14 inches long. Tank is heavy tin, lock-seamed and thoroughly leak-proof.
No. 452. 1-qt.....**40 cts. each**

VAPOR SPRAYER. Pump is 1¼ inches in diameter, 10 inches long. Tank lock-seamed, thoroughly leak-proof.
No. 222. ¾-pt.....**20 cts. each**

Myers General-Purpose Sprayer No. 329

This General-Purpose Sprayer with patent Double Agitator is a most complete and serviceable outfit. The tank is made of heavy galvanized iron with a wide bottom, so as to set steady in operation.

Complete with Hose, Nozzle, Agitator, and Extension Rod.

Our Special Price, **$14.00**

Gardens and Crops Need Protection

HUDSON PATROL DUSTER

90c

Pump is 1¾ x 14 inches, fitted with special cupped plunger leather. Specially designed powder reservoir.

No. 612.....**90 cts. each**

An effective pattern for truck gardeners, field-crops, etc. The two 12-inch extensions and reversible angle nozzle permit the operator to reach all parts of the plant.

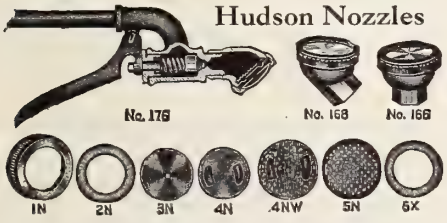
Hudson Crank Duster

For truck-gardens, vineyards, small orchards, etc., as well as clubs, city parks, cemeteries and similar places. Sturdily built. Machine-cut gears semi-enclosed and brass pinions insure easy operation. Four-blade high-speed fan. Agitator prevents clogging and insures uniform feed. Reservoir holds 3 quarts. Brass indicator adjustable for any volume of discharge. Discharge equipment includes three 14-inch tubes, two elbows, one wye, two nozzles and adjustable carrying strap. (Weight, 9 lbs.) No. 606. **$12.00 each**

No. 608 Crank Duster

For truck-gardens, vineyards, small orchards, etc., as well as clubs, city parks, cemeteries, and similar places. Sturdily built. Enclosed machine-cut gears, running in oil. Discharge equipment: two nozzles, two elbows, a wye connection and four 15-inch tubes. Equipment can be arranged to dust plants from above, from under side as for aphis, bushes, trees, etc. (Weight, 14¾ lbs.)
No. 608.....**$14.50 each**

Hudson Nozzles



No. 176. Perfection Shut-off. **$1.50 each.**
No. 168. Fog Nozzle. **50 cts. each.**
No. 166. Fog Nozzle. **50 cts. each.**
No. 1N. Fog Nozzle Cap. **25 cts. each.**
No. 2N. Fog Nozzle Washer. **30 cts. per doz.**
No. 3NC. Fog Nozzle Outside Disc, Reg. **60 cts. per doz.**
No. 3NF. Fog Nozzle Outside Disc, Fine. **60 cts. per doz.**
No. 4N. Fog Nozzle Inside Disc, Reg. **60 cts. per doz.**
No. 4NW. Fog Nozzle Inside Disc, for Whitewash. **60 cts. per doz.**
No. 5N. Fog Nozzle Screen. **60 cts. per doz.**
No. 5X. Leather Gasket for Packing Nut. **5 cts. each.**

The Myers Power Spray Gun

Length over all, 26 inches. Utilizes the entire capacity of any power spray pump and does away with all bamboo extensions, nozzles, and fittings. Fitted for ¾-inch hose coupling and ¼-inch pipe.....**$8 each**
Without hose swivel..... **7 each**

Gould's Pomona Spray Pump

All Working Parts Solid Bronze

A good Barrel Sprayer that will meet every requirement for small orchards of a few acres.

The pump has a steel air chamber, extending from top of pump to valve chamber, making it easy to get up sufficient pressure to continue spraying for some time after pumping has stopped. The pump may be placed in any length barrel, as the barrel plate is adjustable. The agitator is simple, very effective. Outside packed plungers. No leather packings.

The plunger is 2½ inches in diameter; stroke adjustable to 3, 4, and 5 inches; ½-inch hose discharge.

Pump only with Agitator and Hose Couplings. Price.....**$24.00 each**

Gould's "Fruitall" Spray Pump

All Working Parts Bronze

The Fruitall Sprayer is first class in every respect, while the simplicity of its design allows it to be sold at a very reasonable price. The Sprayer is held in place in the barrel by an adjustable clamp at the top fitting over the end of a stave, and an anchor at the bottom of the barrel.

The Plunger is 2 inches in diameter; stroke, 4 inches.

Pump only with Agitator and Hose Couplings. Price.....**$12.50 each**

Parts for Both Pumps

Mistry Jr. Nozzle	$1 00
15-ft. One-half inch Spray Hose	2 25
8-ft. Extension Rod, with couplings	70
Stopcock	1 00
Hose Bands	05
Barrel	5 00

Spray Hose

⅜-in.	Regular, per ft	$0 12
½-in.	Regular, per ft	16
½-in.	Power, per ft	25

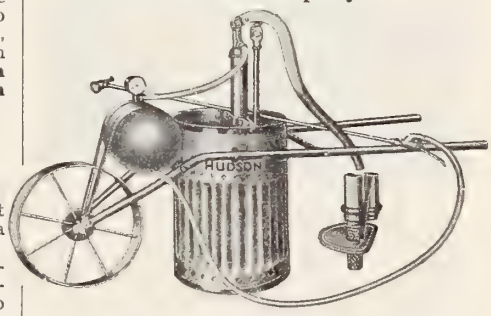
Hudson Barrel Pump

Adapted for whitewash, cold-water paints, agricultural insecticides, caustic mixtures, etc. Entire valve and strainer assembly accessible from the outside of the pump without dismantling. Develops up to 200 pounds pressure.

No. 4SA—1¾ x 6 inch pump cylinder, seamless brass tubing; 2 x 27 inch air chamber, seamless steel tubing; bronze ball valves; 6 feet ⅜ inch high pressure spray hose; 4 ft. iron extension rod, all brass angle spray nozzle adapted for general purposes; wt. each 30 lbs.
$11.50 each

One in a wooden box.

Hudson Ideal Sprayer



A heavy-duty, high-pressure portable outfit for orchard, vineyard, truck-garden, park, golf club, dairy-barn, poultry-house, etc. Handles insecticides, cold-water paint, etc.

Fitted with 6-foot discharge hose and 4-foot iron extension pipe, brass angle nozzle and shut-off valve.

No. 35S. 18-gal. galvanized tank. (Weight, 102 lbs. as shown).....**$30.00 each**
No. 34S. 18-gal. galvanized tank, less pressure tank, gauge, and fittings. (Weight, 72 lbs.) Pump and Tank crated. **$20.00 each**

Hudson Major Duster, Improved

For use with Paris Green, Arsenate of Lead, Calcium Arsenate, and similar poisons. Heavy tin pump 1¾ x 13 inches. Fitted with Air-Pak plunger. Powder reservoir, 4 inches in diameter, 4½ inches long, fitted with air-valve to prevent powder entering pump. Large filler cap. Equipped with two 12-inch extension tubes and two tips, one narrow, one wide. (Weight, 16 lbs.)

No. 665.....**75 cts. each**
No. 663. Cadet Duster. Adapted for use with all insect powders. A great favorite with the poultry man.....**35 cts. each**

Vermorel Nozzle	$0 90
Bordeaux Nozzle	1 20
Long Shank Coupling	40
Hose Coupling	65
45° Double Bend	$0 45
60° Single Bend	30
½ inch double cut off	3 50

LEMON OIL COMPANY'S

Standard Insecticide

This Insecticide is death to pests, safe to plants, harmless to user, low in price and free from disagreeable odor. We recommend this tried and proved Insecticide for mealy bug, aphis, scale, rust, caterpillars, spider, thrip, etc. It is used by the leading florists, nurserymen, and private gardeners for greenhouse, house and outdoor use. This Insecticide gives the foliage a bright, clean, glossy appearance, and will not disfigure the bloom, when used as directed. It has no odor, which makes it ideal for house-plants. It is non-poisonous. ½ pt. makes 1 gal. of spray.

One half pint 30c

Pt.	**$0 50**	**Gal.**	**$2 50**
Qt.	**85**	**5 gals.**	**10 00**
½ gal.	**1 50**	**10 gals.**	**19 50**

This Sprayer attaches to your garden hose. The cartridges, which are merely inserted in the chamber, make available a fresh, uniformly mixed, correct spray for all purposes. Thus the disagreeable and time-taking task of preparing solutions is eliminated, and a correct mixture is always assured.

Sprayer, complete.....$3.50
Cartridges. 35 cts. each; $1.95 for 6.

ARSENATE OF LEAD. For use against insects that chew and for such insects as the fruit-flies that lap and suck up sweetened liquids. 1 to 1½ lbs. to 50 gallons of water. **½-lb. can 20 cts.; 1-lb. can 30 cts.; 4-lb. pkg. 70 cts.** Write for prices in quantity.

ARSENITE OF ZINC. 1-lb. 25 cts.; 4-lbs. 70 cts. Write for prices in quantity.

BLACK-LEAF 40. Nicotine Sulphate—40 per cent Nicotine. It destroys soft-bodied sucking insects without injury to the foliage. 1 oz. makes 6 gals. of spray. **Oz. 35 cts.; 5 ozs. $1; lb. $2.25; 2 lbs. $3.25; 5 lbs. $5.85; 10 lbs. $10.60.**

BLUESTONE (Copper Sulphate). Lb. 20 cts.; 5 lbs. 75 cts.; 10 lbs. $1.25; 100 lbs. $9.

BORDEAUX MIXTURE. The standard remedy for fungous diseases. 1 lb. makes 8 gals. of spray. **Lb. can 30 cts.; 4 lbs. 70 cts.** Write for prices in quantity.

CALCIUM ARSENATE. A quick-acting, inexpensive poison for leaf-eating insects. **Lb. can 20 cts.; 4 lbs. 45 cts.** Write for prices in quantity.

COPPER LIME DUST (20-20-60 Dust). For Mexican bean beetle. **Lb. 15 cts.; 5 lbs. 50 cts.** Write for prices in quantity.

34 COPPER SPRAY. Can be used in place of Bordeaux, and contains nearly three times as much active Copper as Bordeaux mixture. **6-lb. bag $1.15.**

Cotton Seed Oil. Our grade is properly refined for mixing with Cuprocide and Lethane spreader to control Blue Mould. **Gal. $1.25; 5 gals. $4.95;**

CUPROCIDE. Used with Lethane spreader to control Blue Mould on tobacco plants. Also effective as a fungicide, and is effective to treat seed and soil to control damping off. **4 ozs. 35 cts.; 1 lb. 90 cts.; 5 lbs. $4.00.** Also larger packages.

CYCLONO X. A new product highly effective in controling Red Spider. **Qt. $4.70; gals. $16.85; 5 gals. $78.00.**

DERRIS (contains 4% rotenone). Used to kill and repel Japanese beetle. Used with H. P. C. Sticker. **1 lb. $1; 2 lbs. $1.95; 4 lbs. $3.85.**

DRITOMIC SULPHUR. A fungicide in dry form. Will give fruit the sulphur finish without interfering with the assimilatory functions of the foliage or the development of the plant. 1 lb. makes 20 gals. of spray. **Lb. can 30 cts.; 5 lbs. 60 cts.**

FISH-OIL SOAP. Good for scale, caterpillars, and lice. 3 ozs. makes 1 gal. of spray. **Lb. 30 cts.; 5 lbs. $1.25; 10 lbs. $2.25; 25 lbs. $3; 100 lbs. $7.50.**

GARDEN FLIT. A dust that kills both sucking and chewing insects. The package may be used as a duster. **25 cts. each.**

GRAPE AND ROSE DUST (Hammond's). Non-poisonous. For black-spot, mildew, and leaf-eating insects. **Lb. 35c.; 5 lbs. $1.25.**

H. P. C. STICKER. A superior sticker used in the control of insects. **Pt. 60 cts.; qt. $1; gal. $3.**

KAYSO. A combined casein spreader and adhesive. **2 lbs. 35 cts.; 100 lbs. $14.**

LIME-SULPHUR SOLUTION. A dormant spray for San Jose scale. 1 gal. makes 10 gals. of spray. **Qt. 40 cts.; ½ gal. 60 cts.; gal. 75 cts.; 5 gals. $2.50; 10 gals. $3.75.** Write for prices in drum lots.

LIME-SULPHUR, DRY. 12 to 14 lbs. will make 50 gals. of spray. **1-lb. cans 30 cts.; 5-lb. cans $1.25; 12½-lb. bags $2.** Write for prices in quantity.

LETHANE SPREADER. Used with Cuprocide and Cotton Seed Oil to control Blue Mould on tobacco. An excellent spreader. **Qt. 75 cts.; gal. $1.80; 5 gals. $8.50.**

KAYLOX

An insecticide and fungicide which kills insects and prevents blight. Keeps foliage of trees and vegetables green and healthy and free from bugs and worms. It is in powder form. ½ lb. makes 5 gals. of spray. **½ lb. 25 cts.; lb. 45 cts.; 5 lbs. $2.10; 10 lbs. $3.75; 25 lbs. $7.75.**

MAGNESIUM ARSENATE. For spraying. 1 lb. makes 50 gals. of spray for the bean beetle. **2 lbs. 60 cts.; 100-lb. drum $22.**

MAGNESIUM ARSENATE. For dusting. Prepared ready to use. **4-lb. pkg. 60 cts.; 100-lb. drum $12.**

PARIS GREEN. For chewing insects. **¼ lb. 15 cts.; lb. 55 cts.; 2 lbs. 95 cts.; 5 lbs. $2.25.** Write for prices in quantity.

POMO-GREEN (with Nicotine). The leaf-green-colored, all-in-one spray or dust for both insects and diseases on flowering plants and shrubs without being conspicuous on the foliage. Especially good for roses. Controls black-spot, mildew, and aphis. **Lb. 75 cts.; 5 lbs. $3; 25 lbs. $12.75.**

Red Arrow Garden Spray

The non-poisonous, all-purpose Garden Spray. Kills many sucking and chewing insects, including aphids, bean beetle, Japanese beetle, aster beetle, rose bug, etc. Does not injure the foliage or affect the soil. 1 oz. makes 8 gals. of spray. **Oz. 35 cts.; 4 ozs. $1; pt. $2.85; qt. $5.40.**

ROTENONE DUST. This Rotenone is especially processed so that its toxic life will last 6 to 10 times longer. Recommended for beetles, aphids, and most chewing and sucking insects. **Lb. 25 cts.; 5 lbs. 75 cts.** Write for prices in larger quantities.

SCALECIDE. For San Jose scale. More effective than lime-sulphur and has no unpleasant odor. A miscible oil spray. 1 gal. makes 16 gals. of spray. **Qt. 65 cts.; gal. $1.55; 5 gals. $5.50; 10 gals. $9.50; 15-gal. drum $11.25; 30-gal. drum $18.50; 50-gal. drum $26 (plus deposits on drums); 15 gals. $2; 30 gals. $2.50; 50 gals. $3.**

AUXILIN

The miracle root grower for cuttings

Auxilin grows roots on cuttings of plants, roses, shrubs, and trees (even holly), giving them faster growth, sturdier plants, and more profuse blooming. Complete with phial and directions. **Small size, 50 cts.; larger size, $1.**

SLUG-SHOT (Hammond's). The original Rotenone-base, non-poisonous insecticide-fungicide. Use 10 to 40 lbs. an acre. **Lb. 25 cts.; 5 lbs. $1; 25 lbs. $3.**

SULFOCIDE. A concentrated liquid fungicide for fruits, vegetables, and flowers. 1 pt. makes 25 gals. of spray. **Pt. 50 cts.; qt. 85 cts.; gal. $2.25; 5 gals. $7.50; 10 gals. $13.50; 15 gals. $18.50; 30 gals. $33; 50 gals. $50.** Drum deposit same as Scalecide.

SULPHUR, COMMERCIAL FLOUR OF. 100-lb. bags $3.00.

SULPHUR, DUSTING. (85-15 Dust.) Effective for strawberries and melons. **100-lb. bag $6.25.**

SULPHUR, FLOWERS OF. Lb. 15 cts.; 5 lbs. 50 cts.; 10 lbs. 90 cts.; 25 lbs. $2.

TOBACCO DUST. For plant-lice. See page 42.

TOBACCO STEMS. See page 42.

TRI-OGEN

Reg. U.S. Pat. Off.

The all-purpose spray for all insects, black-spot, mildew, and other fungous diseases. Ideal for roses. **Small Kit, $1.50; Medium Kit, $4; Large Kit, $6; Estate Kit, $20.**

VOLCK, GARDEN. A complete Volck nicotine combination spray for garden use. Controls aphis, scale, mealy bug, red spider, mildew, and rusts. **3½ ozs. 35 cts.; pt. $1; qt. $1.50; gal. $4.**

VOLCK, NURSERY. Effective and powerful for ornamental and flowering plants. Controls red spider, aphis, scale, mealy bug, thrips, caterpillars, etc. Odorless and colorless. Makes foliage glossy and glistening after using. **½ pt. 35 cts.; qt. 75 cts.; gal. $2; 5 gals. $7.50; 14 gals. $14; 28 gals. $25; 54 gals. $45.**

Seed and Soil Inoculations and Disinfectants

COPPERCARB. A remedy for bunt or stinking smut in wheat. This powder is applied at the rate of 2½ to 3 ozs. per bus. **5 lbs. 90 cts.**

LEGUME CULTURE. A jelly culture which means better crops and less fertilizer expense. Causes the roots to form nodules which take nitrogen from the air.

For small seed (alfalfa and clovers), **½-bus. size 30 cts.; 1-bus. size 50 cts.; 2½-bus. size $1.**

For large seed (beans, peas, vetch, soy beans), **1-bus. size 30 cts.; 2-bus. size 50 cts.; 5-bus. size $1.**

Garden size (for garden peas, sweet peas, lima beans, or lupines), **10 cts.**

Note. When ordering, state variety and kind of seed for which the culture is to be used.

NEW IMPROVED CERESAN. For controlling bunt or stinking smut and stripe in barley, oats, and wheat. One lb. treats 32 bus. **Lb. 70 cts.; 5 lbs. $3; 25 lbs. $12.75.**

SEMESAN. For bulbs, roots, flower, and vegetable seeds. Disinfects seed against many diseases and helps prevent rotting and damping-off. Also effective in controlling brown patch. One oz. treats 15 lbs. of seed. **⅓ oz. 10 cts.; 2 ozs. 35 cts.; lb. $2.25; 5 lbs. $9.90; 25 lbs. $45.50; 100 lbs. $171.10.**

SEMESAN BEL. For seed potatoes. Controls such seed-borne disease organisms as scab, rhizoctonia, and black-leg. Increases standard yield. One lb. treats 60 to 80 bus. **4 ozs. 45 cts.; lb. $1.50; 5 lbs. $6.75; 25 lbs. $31; 100 lbs. $116.05.**

SEMESAN JR. For seed corn. A protection against many seed-borne infections from rotting in the ground, and makes earlier planting possible. One lb. treats 8 bus. **2 ozs. 15 cts.; 4 ozs. 30 cts.; lb. 75 cts.; 5 lbs. $3.25; 25 lbs. $14; 100 lbs. $52.35.**

SPECIAL SEMESAN. Widely used for preventing and controlling brown-patch in lawns and golf greens. One pound treats from 3000 to 6000 square feet. **5 lbs. $7; 25 lbs. $33; 100 lbs. $122.85.**

Exterminators

ANTROL. Kills ants in their nests. Poison carried to nests by worker ants. Safe, sure, permanent. Ready filled sets, containing 4 filled Feeders, **40 cts.** Regular Sets with Containers and 4-oz. bottle of Syrup, **75 cts.** Antrol Syrup, **4 ozs. 35 cts.; pt. 85 cts.; gal. $3.50.**

INSECT POWDER. 10 & 25-cent pkgs.

CYANOGAS. A Dust. Makes a deadly gas to kill rats, moles, groundhogs, snakes, rodents, and insect pests. **½ lb. 45 cts.; lb. 75 cts.; 5 lbs. $3; 25 lbs. $10.**

CYANOGAS ANT-KILLER. The deadly gas kills all ants in the nest. 4-oz. size will kill a million ants. **4 ozs. 30 cts.**

DOG-SKAT. Attach tubes to evergreens, etc., in obscure place. Will keep dogs, etc., away for an entire season. Eliminates the bother of spraying. **Small tube 15 cts.; large tube 25 cts.**

DOG-SKAT SPRAY. 3-oz. bottle 35 cts.

FLY & MOSQUITO. Death to Household insects. **Pt. 35 cts.; qt. 50 cts.; gal. $1.50.**

MOLOGEN MOLE KILLER. Eliminates moles from your lawn within 2 or 3 days! Non-poisonous to humans and pets. A powder. Will in no way injure soil or grass. Emits no gas. Odorless. **½-lb. can 50 cts.; 1½-lb. can $1.25; 5-lb. can $4.**

NAPHTHALENE FLAKES. Used for sprinkling lightly over bulbs for protection against moles and field-mice. **Lb. 25 cts.; 5 lbs. 75 cts.; 25 lbs. $3.50.**

NO-CROW. To treat corn and other seed to repel crows, birds, moles, squirrels, etc. Costs about 10 cts. to treat an acre. Non-poisonous. **½ pt. 60 cts.; pt. $1.**

ONE-SPOT FLEA KILLER. One-Spot is so called because it requires application only on one spot to kill all the fleas on the animal. Place on the skin under the hair. One-Spot is absolutely harmless, even if applied all over the animal or eaten by it. **1-oz. pkg. 25 cts.; 3-oz. pkg. 50 cts.**

PASTOXINE RAT POISON. A product of Pasteur Laboratories. Non-poisonous to man, domestic animals, or poultry. Develops symptoms in rats and mice that bring them into the open to die. **Pkg. (enough to kill 100 rats) 60 cts.; large size (will kill 2000 rats) $5 each.**

For Cutworms and Root Pests

E. D. E. For peach borer control. May be sprayed on tree or poured around it. Very effective and cost less to apply. Saving per acre 69 cts. by using E. D. E. **5-gal. can $1.40.** Also 30 and 50-gal. drums.

PARA-DICHLOROBENZENE. For peach-tree-borer control, use in May and September, 1 ounce (approx.) per tree. **Lb. 40 cts.; 5 lbs. $1.50; 10 lbs. $2.50; 25 lbs. $5.50.** Ask for prices in larger quantities.

SNAROL. A new, safe method to kill cutworms, sowbugs, grasshoppers, slugs, snails, earwigs, etc. Broadcast on ground under the vegetation; will not deteriorate from rain. **1½ lbs. 35 cts.; 4 lbs. 85 cts.; 15 lbs. $3.**

Fumigants

CYANOGAS (G Fumigant). Creates a deadly gas effective in controlling aphis, thrips, white fly, etc. Easily applied, having high efficiency at low cost. **5 lbs. $3; 25 lbs. $10; 100 lbs. $25.** *Not mailable.*

NICO-FUME, LIQUID. Can use either for fumigating or spraying. **Lb. $2.25; 4 lbs. $5.75; 8 lbs. $10; 40-lb. drum $40.**

NICO-FUME PAPER. A nicotine-treated paper giving off strong fumes when ignited. **24 sheets $1.25; 144 sheets $4.50; 288 sheets $8.**

NICO-FUME TOBACCO POWDER. Effective in fumigating greenhouses to destroy aphis, thrips, etc. **5 lbs. $3.35; 10 lbs. $5.85.**

NICO-FUME PRESSURE FUMIGATOR. ½ lb. 45 cts.; lb. 75 cts.; 1 doz. ½-lb. cans $4.20; 1 doz. 1-lb. cans $7.

TOBACCO STEMS or DUST. See Fertilizers, page 42.

Tree Paints, Etc.

GRAFTING WAX. Used for grafting, budding, etc., and for painting cuts and bruises after trimming trees, shrubs, and vines. **¼ lb. 20 cts.; ½ lb. 30 cts.; lb. 50 cts.**

TREE BAND PASTE. A sticky material for banding trunks of trees, etc., to protect against climbing insects. One application lasts 3 months. **Pt. (1 lb.) 55 cts.; ½ gal. (4 lbs.) $2; Gal. (8 lbs.) $3.60; 5 gals. (40 lbs.) $16.**

TREE WOUND PAINT (G. & T. Co.'s). An antiseptic, penetrating paint to stop tree-bleeding and prevent infection of pruned or damaged portions. **Pt. 35 cts.; qt. 85 cts.; gal. $2.25; 5 gals. $10.75.**

Weed, Dust, and Ice Control

CALCIUM CHLORIDE. Lays dust and controls weeds on roads, tennis-courts, etc. Also melts ice many times faster than salt. For dust, use 2 lbs. per sq. yd. **5 lbs. 25 cts.; 10 lbs. 45 cts.; 25 lbs. $1; 100 lbs. $2.50.** Write for prices in quantity.

KILL-WEED (Hammond's). For the destruction of grass, weeds, vines, bushes, poison ivy, etc., on roads and places vegetation is not desired. One gal. makes from 30 to 40 gals. mixed with water. **Qt. 50 cts.; ½ gal. 95 cts.; gal. $1.50; 5 gals. $5; 10 gals. $9; 55 gals. $44.**

Traps

ANT TRAPS. Ready to use. Kills both sweets- and grease-eating ants. Most effective and lasting Ant Trap ever devised. **15 cts. each.**

JAPANESE BEETLE TRAPS NO. 4. For larger homes, estates, and parks. Will last for years. Fitted with a standard screw cap for 1- or 2-quart Mason jars. Can use either liquid or dry bait. **Traps, $1 each.**

NO. 0 TRAP. Competitive grade. Well made and long lasting. Designed for dry bait. Fitted with screw cap for any Mason jar. **35 cts. each.**

IRON STAKES. For Beetle Traps. **25 cts. each. Small Stakes 15 cts. each.**

BEETLE BAIT, DRY. ¼ **pt. 25 cts.; ½ pt. 50 cts.; lb. $1.25.**

BEETLE BAIT, LIQUID. Oz. 50 cts.

Little Giant Mole Trap

Self-setting by pressing down on lever. Very convenient feature found on no other trap. Made from best spring steel, thoroughly galvanized. Simple and durable in its construction. **$1.** (Weight 2 lbs.)

VICTOR SPRING MOUSE TRAPS. 3 for 10 cts.

VICTOR SPRING RAT TRAPS. 10 cts. each.

WIRE or CAGE RAT TRAPS. 75c. each.

Depend on Griffith & Turner for

HIGHEST QUALITY HOUSE PAINT

In Brilliant White and 12 Beautiful Colors!

$2.80 Gallon, in Colors

A Paint that will give a truly beautiful and lasting surface! Made from selected ingredients and based on a formula that has been tested for good results.

	Qt.	½ gal.	Gal.
No. 100 Outside White	$0 85	$1 56	$2 85
No. 101 Inside Flat White	85	1 56	2 85
No. 102 Inside Gloss White	85	1 56	2 85
No. 103 Ivory	83	1 52	2 80
No. 104 Cream	83	1 52	2 80
No. 105 Light Buff	83	1 52	2 80
No. 106 Medium Buff	83	1 52	2 80
No. 107 Light Blue	83	1 52	2 80
No. 108 Tan	83	1 52	2 80
No. 109 Light Gray	83	1 52	2 80
No. 110 Medium Gray	83	1 52	2 80
No. 111 Battleship Gray	83	1 52	2 80
No. 112 Lettuce-Green	83	1 52	2 80
No. 113 Window-Blind Green	90	1 65	3 00
No. 114 Bungalow Brown	83	1 52	2 80

G. & T. CO.'S Universal Varnish

No. 650 **$4.25** GAL.

½ pt. 40 cts.; pt. 68 cts.; qt. $1.20; ½ gal. $2.30

G. & T. CO.'S Floor Varnish

No. 550 **$3.10** GAL.

½ pt. 33 cts.; pt. 53 cts.; qt. 90 cts.; ½ gal. $1.70

G. & T. Co.'s Quick-Drying Enamel

½ pt. 32 cts.; pt. 52 cts.; qt. 90 cts.; ½ gal. $1.70; gal. $3.10

No. 300 White.
No. 301 Cream.
No. 302 French Gray.
No. 303 Apple-Green.
No. 304 Dark Green.
No. 305 Brilliant Red.
No. 306 Rich Orange.
No. 307 Jade-Green.
No. 309 Black.
No. 310 Ivory.

G. & T. Co.'s Quick Drying Porch and Deck Enamel

No. 500 Light Gray.
No. 501 Dark Gray.
No. 502 Brown.
No. 503 Dust.

$3.20 GAL.

Qt. 95 cts.; ½ gal. $1.75

G. & T. Co.'s Flat Wall Paint

Qt. 65 cts.; ½ gal. $1.15; gal. $2

No. 200 White.
No. 201 Ivory.
No. 202 Ecru.
No. 203 Cream.
No. 204 Light Buff.
No. 205 Medium Buff.
No. 206 Turquoise-Blue
No. 207 French Gray.
No. 208 Nile-Green.

G. & T. Co.'s Interior Gloss Paint

$2.90 GAL.

Qt. 85 cts.; ½ gal. $1.60

No. 150 Ivory.
No. 151 Green.
No. 152 Buff.
No. 153 French Gray.
No. 154 White.

G. & T. Co.'s Aluminum Paint (Paste)

	Qt.	Gal.
No. 700 Aluminum	$1 50	$4 00

G. & T. Co.'s Barn and Roof Paint

	1-gal. can	5-gal. can per gal.
No. 600 Red	$1 55	$1 45
No. 601 Brown	1 55	1 45
No. 602 Green	2 40	2 30

Shingle Stain

	1-gal. can	5-gal. can per gal.
No. 1 Bungalow Brown	$1 35	$1 25
No. 2 Weather Brown	1 35	1 25
No. 4 Moss-Green	1 55	1 45
No. 5 Sylvan Green	1 55	1 45
No. 6 Silver-Gray	1 85	1 75
No. 9 Light Green	1 55	1 45

Shellac

Pure; cut in alcohol.

	Pt.	Qt.	½ gal.	Gal.
No. 931 Orange	$0 45	$0 75	$1 35	$2 40
No. 932 White	50	85	1 50	2 70

Asphalt Roof Coating

For coating asphalt composition roofs. By coating your roof regularly you will add years to its life.

1- gal. can 55 cts.; 5-gal. can $2.00; 50-gal. bbl. $17.00

Asbestos Roof Coating

Will seal small cracks, and is excellent for coating asphalt composition, metal, concrete, and other roofs. For preserving timber and water-proofing foundations.

1-gal. can 55 cts.; 5-gal. can $1.75; 50-gal. bbl. $16.00

Plastic Cement

Leaks in new or old roofs of wood, metal, slate, tile or prepared roofing may be repaired quickly, easily and permanently with Certain-teed Plastic Cement. It is excellent also for flashing around chimneys, metal cornices, and skylights; for relining old gutters and metal valleys; and for use at all other points where there are leaks, holes, breaks, or cracks caused by contraction or expansion, or where the material has worn out or broken away.

1-lb. pkg.	$0 12	50-lb. pkg.	$2 65
5-lb. pkg.	40	280-lb. pkg.	10 85
10-lb. pkg.	70	480-lb. pkg.	18 00
25-lb. pkg.	1 50		

G. & T. Co.'s Quick-Drying Varnish Stain

	½ pt.	Pt.	Qt.	½ gal.	Gal.
No. 400 Light Oak	$0 27	$0 40	$0 67	$1 20	$2 15
No. 401 Dark Oak	27	40	67	1 20	2 15
No. 402 Mahogany	27	40	67	1 20	2 15
No. 403 Walnut	27	40	67	1 20	2 15
Buff Ground Color	27	40	67	1 20	2 15

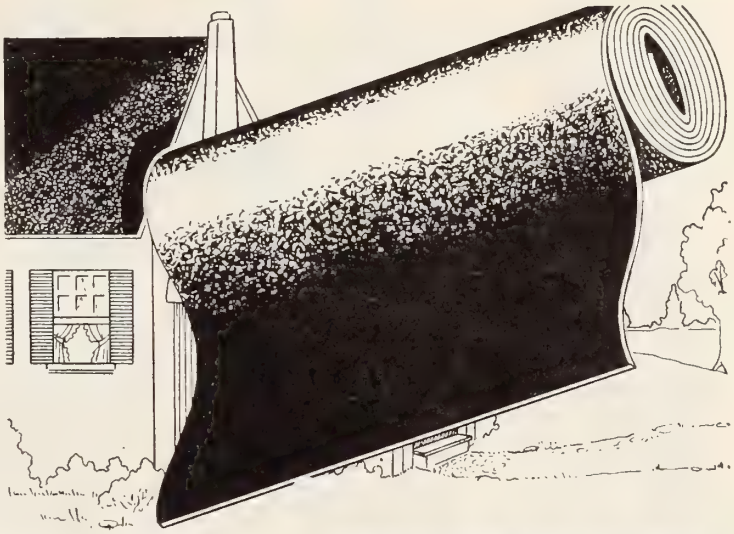
White Lead, Linseed Oil, and Turpentine. Prices on application.
Pure Putty: **Lb. 10c; 5 lbs. 40c; 12½ lbs. 90c; 25 lbs. $1.75; 50 lbs. $3.35; 100 lbs. $6.25.**
Glazing Points, Hotbed Glass and Sash, see page 43
Creosote: **gal. $1; 5 gals. $4.**

Years and Years of Service with Our Famous

"CERTAIN-TEED" ROOFING

- **Fire-Resistant!**
- **Weatherproof!**
- **Built to Last!**

$1.25 PER ROLL 108 sq. ft.



Our famous Certain-Teed Roofing is unsurpassed for long, dependable service! Tough and heavy, built to withstand the wear of weather! Backed by the responsibility of the world's greatest roofing and building mills. It's less expensive to use Certain-Teed in the long run. Guaranteed 5, 10, or 15 years for No. 1, 2, or 3 respectively.

No. 1.	108 sq. ft. (35 lbs.)	**$1 25**
No. 2.	108 sq. ft. (45 lbs.)	**1 50**
No. 3.	108 sq. ft. (55 lbs.)	**1 75**
No. 4.	108 sq. ft. (65 lbs.)	**2 25**

Corporal Roofing

No. 1. Light (about 35 lbs. per square)	**$0 95**
No. 2. Medium (about 45 lbs. per square)	**1 10**
No. 3. Heavy (about 55 lbs. per square)	**1 25**

Slater's Felt

Rolls, 500 sq. ft. Weight, 30 lbs. ..... **$1.15 each**

Insulating Paper

Rolls, 500 sq. ft. Weight, 35 lbs. ..... **$2.40 each**

Mineral-Surfaced Roll Roofing

Certain-Teed Extra Quality

Blue-Black, Red, or **Green.** Guaranteed 10 years.

Weight, 90 lbs. per square	**$2 10**
Weight, 75 lbs. per square	**1 90**

Asphalt Felt

No. 15. Rolls, 432 sq. ft. Weight, 65 lbs.	**$2 20**
No. 30. Rolls, 216 sq. ft. Weight, 65 lbs.	**2 20**

Sheathing Paper

In rolls of 500 square feet each

20-lb	**$0 80**
30-lb	**1 20**
40-lb	**1 50**

Folding Clothes Dryer

Takes up little space. Spruce arms and steel post. 13 ft. spread, 130 ft. rope ..... **$6.00 each**

Removable Steel Clothes Line Post, complete with base ..... **$2.75 each**

Thick Butt Shingles

Size 12 x 36 inches. Red, blue, black and green. 210 lbs ..... **$6.00 per square**

Cut-Out Shingles

Red, Blue-Black; and Green; 10 x 36 in.

These Shingles possess all the durability, attractiveness, weather protection, and fire-resisting qualities.

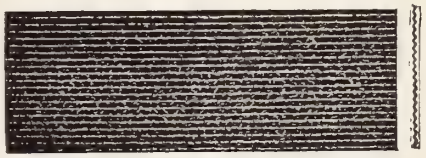
Four Shingles laid at a time—no spacing—four-fifths less cracks—no painting—no repairs. Waterproofed with pure refined asphalt. 210 lbs ..... **$6.00 per square**

Standard Hexagonal Shingles

Size 11⅓ x 36 in.

The Certain-Teed Hexagonal Slab Shingle is a Shingle of beauty and permanence. It is made of highest grade, long-fibered felt, heavily saturated with asphalt, and surfaced with a rugged coat of natural colored crushed slate. This surface cannot fade but will always add the same pleasing touch of color to your home.

Blue-Black, Red, or **Green** ..... **$4.25 per square**



Galvanized Steel Corrugated Roofing

Standard 28-gauge open-hearth steel, thoroughly galvanized; 1¼- and 2½-inch corrugations. Made in sheets 26 inches wide; 6, 7, 8, 9, and 10 feet long; 12-foot sheets 25 cts. per square extra. Galvanized Ridge Roll, both in corrugated and plain.

No. 28 Gauge
Ridge Roll, Plain
Corrugated ..... **Prices on application**

Oil-Cans

No. 77. These Oil-cans are made from cold rolled steel and have clock spring steel bottoms. Straight or Bent Spout ..... **10 cts. each**

No. 620. Copperized Steel Mowing Machine Oiler. Bent or Straight Spout ..... **25 cts. each**

Household Lubricant Oil

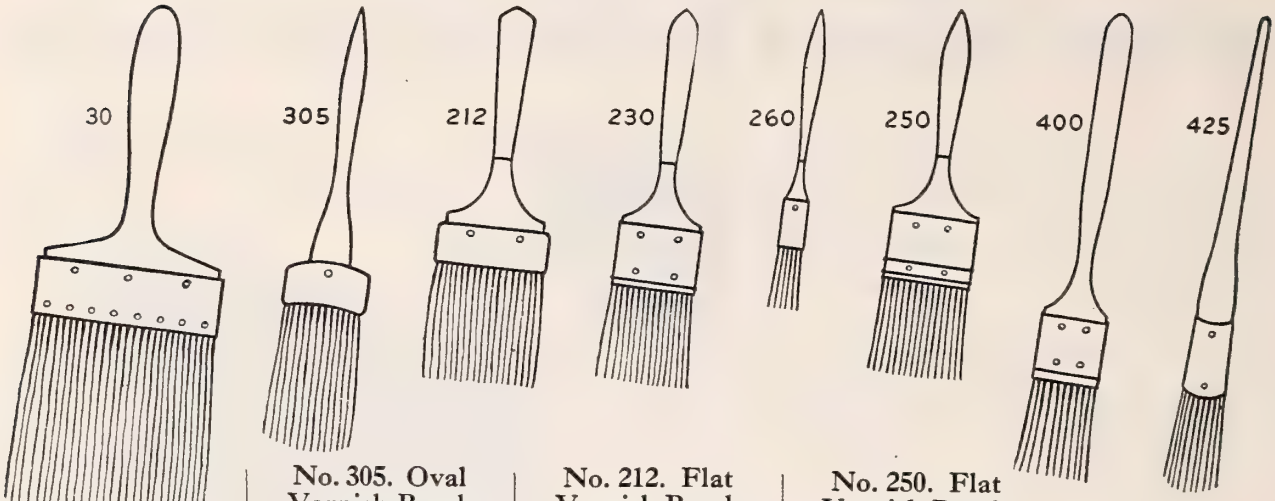
This very fine Oil is put up in small Oil-cans, ¼-pint sizes, very convenient to use. It is especially adapted for use on sewing machines, lawn mowers, hinges and locks.

¼-pint cans ..... **20 cts. each**

Separator Oil

1-quart can	**$0 40**
½-gallon can	**75**
1-gallon can	**1 25**
5-gallon can	**5 00**

Brushes for Every Purpose



No. 30. Flat Paint Brush

Metal-bound. Black Chinese bristles vulcanized in rubber.

Width	Bristles	Price
3 in.	3¼ in.	$1 50
3½ in.	3½ in.	1 95
4 in.	3¾ in.	2 65
4½ in.	4 in.	3 65
5 in.	4¼ in.	5 10

No. 40. Flat Paint Brush

Width	Bristles	Price
2½ in.	2½ in.	$0 80
3 in.	2¾ in.	90
3½ in.	3 in.	1 35
4 in.	3¼ in.	1 70
4½ in.	3½ in.	2 50
5 in.	3¾ in.	3 70

No. 305. Oval Varnish Brush

Black Chinese bristles vulcanized in rubber. Open center.

No.	Width	Bristles	Price
6-0.	1 11/16 in.	3½ in.	$2 55
7-0.	2 in.	3⅝ in.	2 75
8-0.	2 1/16 in.	3¾ in.	3 10
9-0.	2⅛ in.	3⅞ in.	3 70
10-0.	2 3/16 in.	3⅞ in.	4 00
12-0.	2 5/16 in.	3⅞ in.	4 65

No. 640. Whitewash Brush

Unbleached horsehair and fibre. Brass finished.

Width	Bristles	Price
7 in.	3⅜ in.	$0 65
8 in.	3⅜ in.	70
No. 655, 6 in.		25

No. 212. Flat Varnish Brush

Black Chinese bristles vulcanized in rubber. Lacquered handle.

Width	Bristles	Price
1½ in.	2 5/16 in.	$0 50
2 in.	2 7/16 in.	70
2½ in.	2 13/16 in.	1 05
3 in.	3 1/16 in.	1 45

No. 230

Width	Bristles	Price
1 in.	2 in.	$0 15
1½ in.	2 in.	25
2 in.	2¼ in.	40
2½ in.	2¼ in.	55
3 in.	2½ in.	80
3½ in.	2½ in.	95
4 in.	2⅞ in.	1 75

No. 60. Flat Paint

Width	Bristles	Price
3 in.	2½ in.	$0 75
3½ in.	2¾ in.	85
4 in.	3 in.	1 20

No. 250. Flat Varnish Brush

Black Chinese bristles vulcanized in rubber.

Width	Bristles	Price
1 in.	2 in.	$0 10
1½ in.	2 in.	15
2 in.	2 in.	20
2½ in.	2 in.	30
3 in.	2 in.	35

No. 260

Width	Length	Thick.	Price
½ in.	1 1/16 in.	7/32 in.	$0 10

No. 500. Roof

Oilproof setting. Nickeled steel ferrules.

	2-knot	3-knot
Size		
Width	3⅝ in.	5¾ in.
Length	3½ in.	3½ in.
Price	75c.	85c.

No. 56. Radiator

Black horsehair. Length overall, 24 in. Bristles, 1⅞ in. **65 cts.**

No. 400. Flat Sash Brush

Width	Bristles	Price
1 in.	2⅛ in.	$0 35
1½ in.	2¼ in.	55
2 in.	2½ in.	75
2½ in.	2⅝ in.	1 15

No. 425. Oval Sash Brush

No.	Width	Bristles	Price
2.	½ in.	1½ in.	$0 20
3.	⅝ in.	1⅝ in.	25
4.	¾ in.	1¾ in.	30
5.	⅞ in.	1⅞ in.	33
6.	1 in.	1 11/16 in.	35
7.	1 1/16 in.	2 in.	40
8.	1⅛ in.	2⅛ in.	45
9.	1 3/16 in.	2¼ in.	60
10.	1¼ in.	2⅜ in.	75
12.	1½ in.	2¾ in.	1 15

Lawn Settees

The frames are made from strong steel, and the seats and backs from smoothly finished hardwood.

Commonwealth Settees

4-ft.....$5 00 | 5-ft.....$5 75

Meadowbrook Settee

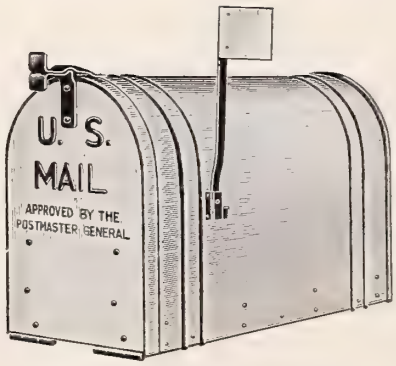
Same as Commonwealth, except with arm-rests.

4-ft.....$5 50 | 5-ft.....$6 25

Universal Settee

A lighter bench than the Commonwealth.

4-ft.....$3 50



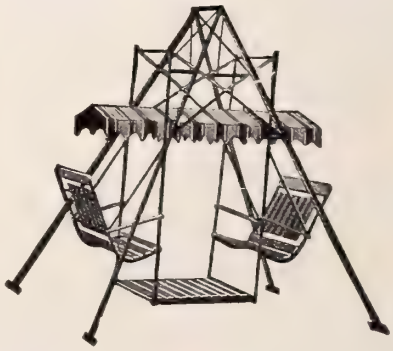
The Deshler R.F.D. Mail-Box

Top, bottom and sides made of 20-gauge galvanized steel; false bottom, 22-gauge; door, 18-gauge galvanized steel with the bottom edge doubling back upon itself for a distance of 3 inches. Fits snugly over the curled edge of opening and is weather-proof.

Inside Measurements: length 23⅛ in.; height 13¼ in.; width 11 in.; shipping weight 25 lbs.....**$3.00 each**

Smaller Curb-Delivery Mail-Box. Shipping weight 9 lbs.....**$1.25 each**

Bausman Steel Lawn Swing



Seat 30 inches wide; back 29 inches high; wooden arm-rests. Height of frame, 7 feet. Floor-space required, 5 x 8 feet. Weight, 150 lbs.

With Canopy.....$17 50
Without Canopy..... 15 00

The Juvenile Settee

A small Settee of good quality. Frame of 1 x 1¼-inch steel. Eight slats ⅞ x 1½ inch, clear yellow pine with flat surfaces and rounded edges. Color, alternate orange and green.

22-in.....$1 00 32-in.....$1 40

Best for Every Purpose...Made from Selected Materials

TILLEY STEP-LADDERS

Tilley Mohawk Step-Ladder

4-ft. Size

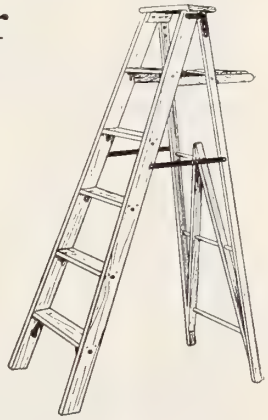
$1.60

- Cadmium-plated hardware!
- Full rodded and trussed!
- Built for service!

A sturdy Step-Ladder made from finest selected materials. Equipped with steel top hinges and side hinges, as illustrated.

4-ft.	$1 60	8-ft.	$3 20
5-ft.	2 00	10-ft.	4 00
6-ft.	2 40	12-ft.	6 00

Tilley Trojan Step-Ladder



A Favorite for All General Household Uses! Light, Sturdy!

6-ft. Size

$3.60

Built to give the utmost in practical service. Positive tie support and angular brace under end of each step. Pail-rests on all Trojans of 4 steps or more.

3-ft.	$1 80	6-ft.	$3 60
4-ft.	2 40	8-ft.	4 80
5-ft.	3 00	10-ft.	6 00
12-ft.	$7 20		

Sturdy Step-Ladders of Finest Construction

National Step-Ladder

4-ft. size **$1.45**

Every step supported by ¼-inch rods and truss block with diagonal steel braces. A Step-Ladder of unusually sturdy construction.

4-ft.	$1 45
5-ft.	1 80
6-ft.	2 20
8-ft.	2 95
10-ft.	3 65

Electrician's Step-Ladder

4-ft. size **$3.20**

A combination Step-Ladder and Trestle. The rounds in the back are 1⅛ inches in diameter.

4-ft.	$3 20
5-ft.	4 00
6-ft.	4 80
8-ft.	6 40
10-ft.	8 00
12-ft.	9 60
14-ft.	13 00
16-ft.	15 00
18-ft.	19 25
20-ft.	21 50

Decorator's Step-Ladder

4-ft. size **$1.90**

For paper-hangers, interior decorators and painters. Made of spruce. Approved specifications.

4-ft.	$1 90
5-ft.	2 40
6-ft.	2 90
8-ft.	3 85
10-ft.	4 80
12-ft.	5 75
14-ft.	8 40
16-ft.	9 60

Platform Step-Ladder

4-ft. size **$7**

Built for safety and durable service. Safety platform is 14 x 18 inches, reinforced with steel.

No.	To platf.	Light	Regular
5.	3 ft.	$6 00	
6.	4 ft.	7 00	
8.	6 ft.	8 50	
10.	8 ft.	10 25	
12.	10 ft.		$16 75
14.	12 ft.		19 00
16.	14 ft.		21 25

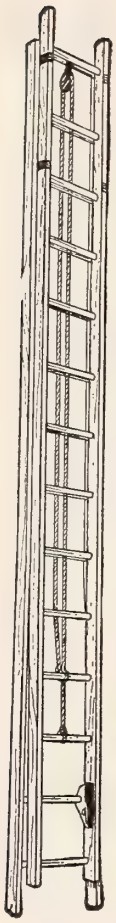
Omega Step-Ladder

5-ft. size **$2.60**

A tripod Step-Ladder particularly adapted for orchard work, fruit-picking, and for use on uneven ground. All flat steps. Easy to stand on and easy to move. Folds up compactly.

5-ft.	$2 60
6-ft.	3 15
8-ft.	4 15
10-ft.	5 20

There's a Tilley Ladder for Every Need



Liberty

Our Popular Liberty Extension Ladder

A sturdy, good-quality, hemlock Extension Ladder for all general purposes. Equipped with rope hoist, malleable locks securely bolted to side. Side rails of air-dried select material. Regularly made with spread bottom.

20-FT. $8.00

20-ft. (two 10-ft. sections, extends to 17 ft.)	$8 00
24-ft. (two 12-ft. sections, extends to 21 ft.)	9 60
28-ft. (two 14-ft. sections, extends to 25 ft.)	11 20
30-ft. (two 15-ft. sections, extends to 27 ft.)	12 00
32-ft. (two 16-ft. sections, extends to 29 ft.)	$12 80
36-ft. (two 18-ft. sections, extends to 33 ft.)	15 50
40-ft. (two 20-ft. sections, extends to 36 ft.)	17 00
Ladder Locks. Per pair	1 75

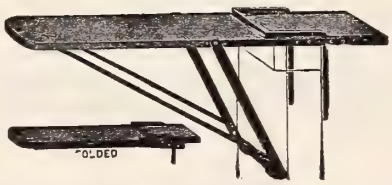
Spring-Lock Spruce Extension Ladder

For painters, tinsmiths, carpenters, farming, and all general use. Side rails of thoroughly air-dried selected material. Rungs are selected ash and hickory, with minimum diameter of $1\frac{3}{16}$ inches. All equipped with rope hoist and two improved automatic spring locks of soft malleable and cold-rolled steel, securely bolted to side rails.

20-ft. (two 10-ft. sections, extends to 17 ft.)	9 50
24-ft. (two 12-ft. sections, extends to 21 ft.)	11 25
28-ft. (two 14-ft. sections, extends to 25 ft.)	13 00
30-ft. (two 15-ft. sections, extends to 27 ft.)	14 00
32-ft. (two 16-ft. sections, extends to 29 ft.)	15 00
36-ft. (two 18-ft. sections, extends to 33 ft.)	18 00
40-ft. (two 20-ft. sections, extends to 36 ft.)	$20 00
44-ft. (two 22-ft. sections, extends to 40 ft.)	22 00
48-ft. (two 24-ft. sections, extends to 44 ft.)	34 00
52-ft. (two 26-ft. sections, extends to 47 ft.)	37 50
58-ft. (three sections, with locks and rope on top section)	41 00
64-ft. (three sections, with locks and rope on top section)	45 00
Ladder Locks. Per pair	2 50

20-FT. $9.50

Window Brackets

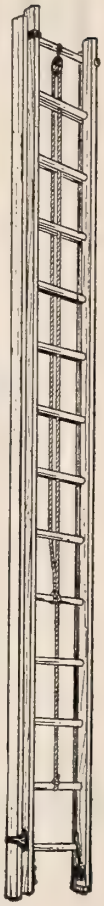


No. 1. 4-ft., 4-in	$5 75
No. 2. 6-ft	6 75

Sturdy Single Ladders

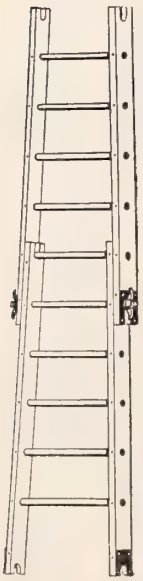
Exceptionally well built. Width of Ladder is nicely tapered. Light, strong, and sturdy.

10- to 16 ft	32 cts. per ft.
18- to 22-ft	34 cts. per ft.
24- to 26-ft	36 cts. per ft.
Ladder Rungs	12 cts. each

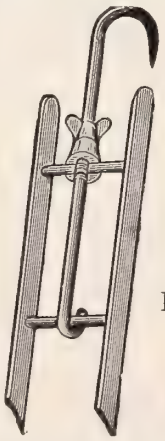


Spring-Lock

Tilley Sectional Ladder



Made in 6-foot sections, each end protected with iron plates and equipped with large bolts with thumb-nuts, making them safe and durable. Hickory rungs. Sections 6 ft. 5 in. $3.40



Ladder Hook $1.10

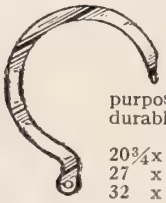
Tilley Window-Cleaners' Ladder

A very convenient Ladder for window-cleaning purposes or where a Ladder has to be carried from one place to another. It is made in sections, which makes it convenient to handle. All sections are fitted into each other.

These Ladders are made in 6-foot lengths.

Top section	$2 65
No. 2. Middle section	2 25
No. 3. Bottom section, 6 ft. 3 in	2 25

Roof and Gutter Hook



For hanging swinging stages or can be used for many other purposes; strong and durable.

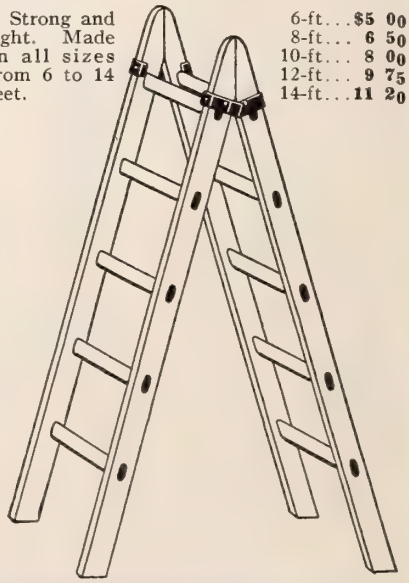
	Pair
$20\frac{3}{4}$ x 27 in.	$6 80
27 x 37 in.	10 75
32 x 44 in.	12 50

Tie-back Rings, 50 cts. extra

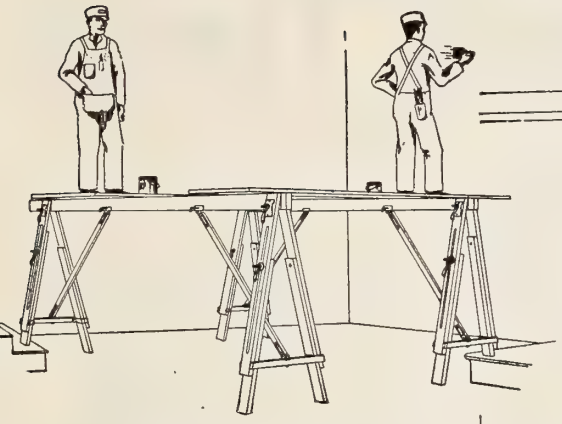
Tilley Painter's Trestles

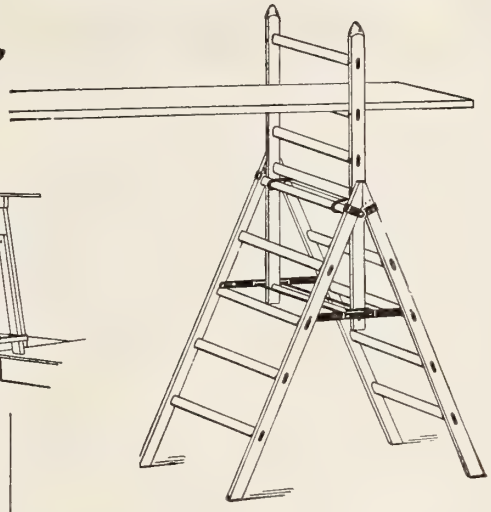
Strong and light. Made in all sizes from 6 to 14 feet.

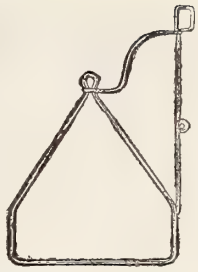
6-ft.	$5 00
8-ft.	6 50
10-ft.	8 00
12-ft.	9 75
14-ft.	11 20



Choose Tilley Jacks and Stages







Triangles for Guard Rail

20½-in. Per pair..... **$6 80**

Write for Prices on Rope

Adjustable Scaffold Jacks

With wing nut clamps

To properly scaffold a room, it requires 4 jacks on which planks can be laid, thus giving a safe platform to work on.

No. 6.	4-ft. (extends to 6 ft.).....	**$6 50**
No. 7.	5-ft. (extends to 8 ft.).....	**7 25**
No. 8.	6-ft. (extends to 9½ ft.)....	**8 00**
No. 9.	7-ft. (extends to 11 ft.).....	**8 75**
No. 15.	8-ft. (extends to 12½ ft.)...	**11 00**
No. 16.	10-ft. (extends to 16 ft.)....	**16 00**
No. 17.	12-ft. (extends to 20 ft.)....	**19 00**

Adjustable Scaffold Jack Iron Brackets. Set of 4. **$2.00.**

Cleveland Safety Ladder Jack

$5 per pair

Bettcher Ladder Jack

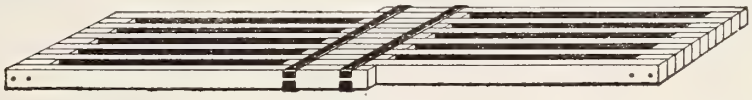
$3.50 per pair

Swinging Stage Window Jacks, **$5.00 per pair**

Tilley Wooden Ladder Jacks, **$5.50 per pair**

Extension Trestles

6-ft. (extending to 10 ft.).....	**$11 50**
8-ft. (extending to 14 ft.).....	**14 00**
10-ft. (extending to 18 ft.).....	**16 75**
12-ft. (extending to 22 ft.).....	**19 50**
14-ft. (extending to 26 ft.).....	**23 00**
16-ft. (extending to 30 ft.).....	**25 50**
Cross Braces. Each.....	**1 75**



Extension Planks

These adjustable Planks are used by painters and decorators and are now a part of their equipment.

6-ft. (two sections, extends to 10 ft.).....	**$5 00**
8-ft. (three sections, extends to 14 ft.).....	**6 00**
10-ft. (three sections, extends to 18 ft.).....	**7 50**

Blocks and Falls, see page 76.

Swinging Stage Platform

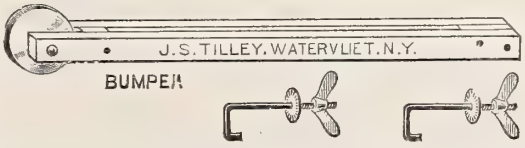
Our Painters' Scaffolds are made from seasoned and selected stock. 20 inches wide.

	Without floor	With floor	Tooth-pick stage
10- to 16-ft.....	**$0 60 per ft.**	**$0 85 per ft.**	**$0 60 per ft.**
18- to 22-ft.....	**70 per ft.**	**98 per ft.**	**70 per ft.**
24- to 30-ft.....	**80 per ft.**	**1 10 per ft.**	**80 per ft.**

Reinforced add **14 cts. per ft.**

Mason or Bricklayers' Ladder

12- to 22-ft., with 12-in. tread.....	**$0 50 per ft.**
24- to 30-ft., with 12-in. tread.....	**55 per ft.**



Bumpers

Bumpers for stages, without hooks, per pair..... **$2.00**

Bumper Hooks, with nuts and washers, set of 4..... **$2.00**

Extra Protection with Griffith & Turner Co.'s

GENERAL-PURPOSE FENCE

Galvanized Steel Fence Posts

These Posts are neat, strong, durable, and easy to erect. They will give you much more and better service than can be expected of wood Posts because, all being alike in size and quality of material, you get benefit of every Post in the fence from year to year, while wood Posts rot and decay. The line Posts are strong enough to hold up any wire fencing, and furnish all necessary resistance. The end and corner Posts are so strong that they will maintain any wire fence made.

Nos.	Length feet	Approx. weight lbs.	Per Post
14½ Line Post	5	7.6	$0 60
14½ Line Post	6	9.1	72
14½ Line Post	6½	9.8	80
14½ Line Post	7	10.6	85
14½ Line Post	8	12.1	95
Junior End Post 6			1 75
Junior End Post 8			2 25
Jr. Corner Post	6		2 50
Jr. Corner Post	8		3 40
Ball Top for Posts			20
Ball Top for End and Corner Post			20
Driving Caps for Line Posts			45

Sweet's Steel Fence Posts

A special high carbon Steel Post of extreme rigidity. Flanged leg channel section assures maximum strength. Tested to withstand maximum bending strain of heavy weights and windloads.

These Posts are heartily recommended for use with field fences of all types—poultry, garden, arbor, residences, and estates.

No. 3 Sweet's Line Post with Ground Plate, except 3 ft.

Length	Weight, lbs.	
3 ft.	3.36	$0 20
5 ft.	6.20	35
6 ft.	7.32	42
6½ ft.	7.88	45
7 ft.	8.44	48
7½ ft.	9.00	50
8 ft.	9.56	54
9 ft.	10.68	60

No. 3 End Posts

6 ft.	18.68	$1 60
8 ft.	23.16	1 80

No. 3 Corner and Two-way Brace Posts

Length	Weight, lbs.	
6 ft.	30.64	$2 80
8 ft.	37.36	3 25

EXTENSION ARMS	$0 40
GATE HINGE	70
GATE LATCH KEEPER	70

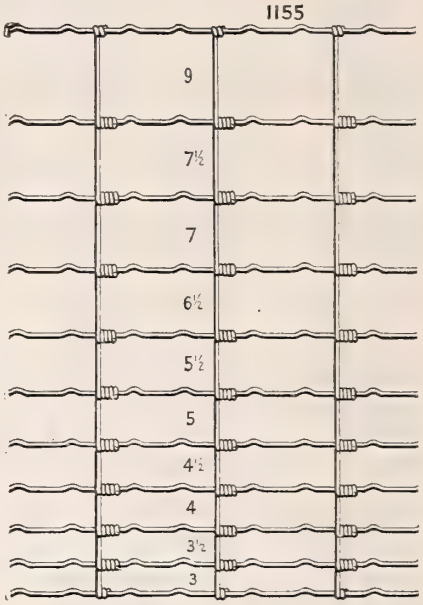
A Height and Weight for Every Need! Full Standard Gauge Wire!

Fencing of a quality and construction designed for longer service. It has been serving its owners faithfully for many years and will continue to give good service long after ordinary fence has been discarded.

Style No.	Height inches	Approx. Weight per rod, lbs.	1-foot Stays, per rod	Approx. Weight per rod, lbs.	6-in. Stays, per rod
1155	55	12.2	$0.70	16.7	$0.90
1047	47	10.9	.60	14.8	.80
939	39	9.7	.55	13.1	.70
832	32	8.6	.50	11.4	.65
726	26	7.5	.42	9.8	.55

Actual Size of Wires

Top Bar	9
Bottom Bar	9
Intermediate Bars	11
Stays	11



POULTRY AND GARDEN FENCE

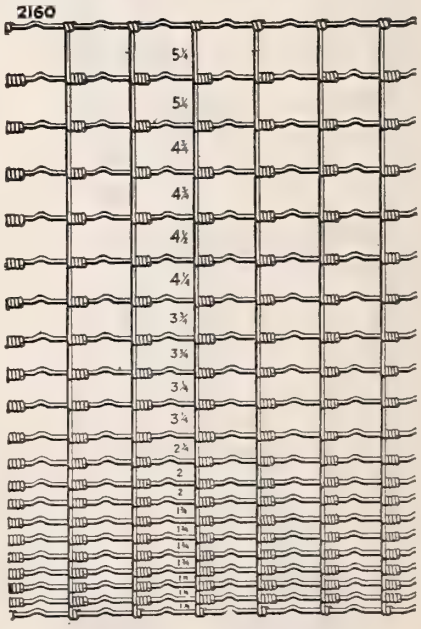
Specially Designed for Poultry and Smaller Animals!

An ideal Fence against poultry and small animals. The spacing is graduated from 1⅛ inches at the bottom to 5½ inches at the top, as shown by the illustration, and the distance between the stays or uprights is 6 inches. It is a great favorite. Furnished regularly in rolls containing 10 rods or 165 lineal feet.

Style No.	Distance Between Stays	Height inches	Approx. Weight per rod	Per rod
2371	6	73	11.4	$0.77
2160	6	58	10.3	.70
1949	6	48	9.2	.65
1635	6	35	7.6	.55

Actual Size of Wires

Top Wire	11
Bottom Wire	11
Intermediate Wires	14½
Stay Wires	14½



CATTLE FENCE

For Long, Practical Service!

An ideal Horse and Cattle Fence and used largely for division Fences. The stays are 1 foot apart, and we do not recommend its use for hogs. The top bar is No. 9, the bottom No. 9, the intermediate bars No. 11, and the stays No. 11 wire.

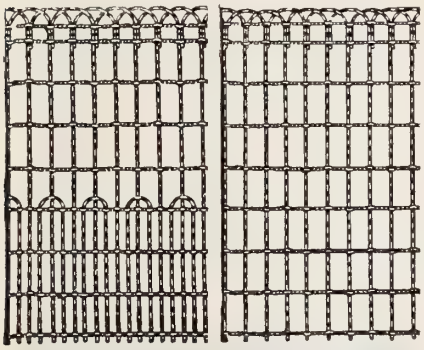
Style No.	Height inches	12-in. Stays Approx. Weight per rod, lbs.	Per rod
949	49	10.3	$0.57
845	45	9.3	.53
635	35	7.2	.43

Lawn Fence and Gates for Beauty and Security

Lawn Fence

Our Lawn Fence harmonizes with its surroundings and adds dignity and a feeling of privacy to your dwelling. Its construction is such that there is no foothold for children to climb over and it is dog-, cat-, and chicken-proof.

Lawn Fence is made of No. 9 heavy galvanized wire, spacing between uprights at the bottom being 1⅜ inches, and at the top 2⅞ inches. Furnished regularly in rolls of 200 feet. Any length cut to order.



Perfection **Economy**

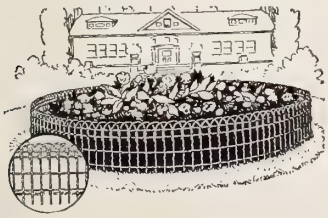
Perfection	Per ft.
Height 36 in.	**$0 13**
Height 42 in.	**14**
Height 48 in.	**17**

Economy	Per ft.
Height 36 in.	**$0 10**
Height 42 in.	**12**
Height 48 in.	**13**
Height 60 in.	**17**

Cut lengths, add 1 ct. per foot

Galvanized Gate Hinges and Latches

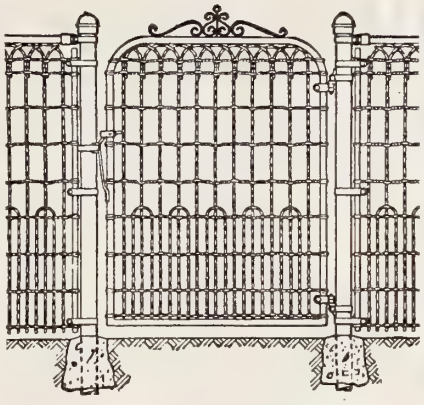
No. K3823. Hinge Collar. 1¾-in.	**$0 50**
No. K1088. Split Hinge for Walk Gate	**25**
No. K8586. Pig Ear Latch for Wood Posts	**40**
No. K3756. Pig Ear Latch for Junior Post	**70**
No. K3856. Spring Latch Catch	**50**
No. L2. Spring Latch	**30**
No. K30. Extension Arm for Junior Posts and Line Posts	**35**



Perfection Flower Bed Guard

Stands 1½ and 1 foot above ground, with 3 cables of two No. 13 wires. Has No. 9 crumped uprights. All heavy galvanized pickets project for insertion in ground. Requires no posts. Can be cut to length to any bed. It provides protection against dogs and chickens.

	Per ft.
16 in.	**$0 08**
22 in.	**10**



Perfection Gates

Frames are made of high-grade heavy steel tubing, galvanized. Filling of these Gates is the regular Perfection Fence Fabric, described in first column, and as shown by illustration the Gates have ornamental scroll tops. In giving the dimensions of Gates, state first the width, and then the height. The width of these Gates means the distance between the posts. The factory makes proper allowance for hinges and latch.

Walk Gates with Fittings for Wood Posts

Width	Ht.	
3 ft.	36 in.	**$3 50**
3 ft.	42 in.	**3 75**
3 ft.	48 in.	**3 65**
3½ ft.	36 in.	**3 75**
3½ ft.	42 in.	**3 85**
3½ ft.	48 in.	**4 00**
4 ft.	36 in.	**3 85**
4 ft.	42 in.	**4 00**
4 ft.	48 in.	**4 20**

Width	Ht.	Single drive	Double drive
8 ft.	36 in.	**$9 00**	**$9 00**
8 ft.	42 in.	**9 25**	**9 50**
8 ft.	48 in.	**9 50**	**9 75**
10 ft.	36 in.	**10 25**	**10 00**
10 ft.	42 in.	**10 50**	**10 25**
10 ft.	48 in.	**10 75**	**10 50**
12 ft.	36 in.	**11 75**	**11 50**
12 ft.	42 in.	**12 00**	**11 75**
12 ft.	48 in.	**12 50**	**12 00**

Fittings for Steel Posts, add $1.25 per Gate

"Cottage" Lawn and Garden Fence

This fencing is strong enough for large animals, and small ones cannot pass through the fine meshes.

	Per ft.	Per rod
Height 24 in.	**$0 10**	**$1 00**
Height 36 in.	**15**	**1 50**
Height 48 in.	**20**	**2 00**
Height 60 in.	**25**	**2 50**
Height 72 in.	**30**	**3 00**

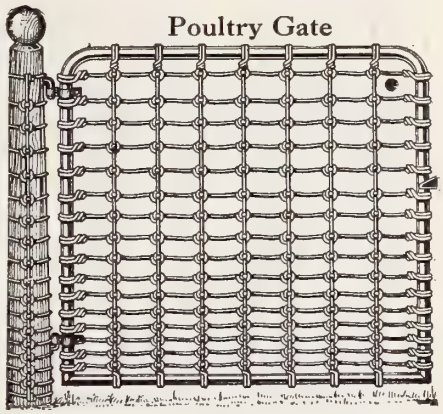
Trellis

This Trellis carries the general style of Perfection Fencing. It is extremely strong embracing beauty and adaptability. Cut in any length desired.

	Per ft.
Width 18 in.	**$0 10**
Width 24 in.	**11**

Wire Stretcher

No. 1. **$2.25**



Poultry Gate

The Gate for poultry enclosures where a small opening is desired. Wires are spaced close enough to hold back the smallest chicks. Frames are of 1 1/16-inch tubular steel with 12½-gauge galvanized filler.

Distance between posts—3½ ft.

Height 48 in.	**$4 00**
Height 58 in.	**4 30**
Height 72 in.	**6 00**

General-Purpose Farm Gates

Frame is heavy 1¼-inch outside dimension tubing. The wire filling is heavy galvanized No. 9 Woven Wire. Frames are galvanized, and electrically welded at the joints, thus insuring a Gate that will not sag or twist out of alignment. In addition, the Gates are strengthened by internal braces.

	Distance between posts 10 ft.	12 ft.
Height 48 in.	**$10 00**	**$11 25**
Height 54 in.	**10 40**	**11 50**

Barbed Wire (Write for prices)

Diamond and Straight Line Mesh Poultry Netting

The wire we offer is No. 20, double twist, 2-inch mesh, thoroughly galvanized after weaving. Sold in bales of 150 running feet.

			Per bale
No. 20	12 in. wide	150 sq. ft.	**$1 35**
No. 20	18 in. wide	225 sq. ft.	**1 84**
No. 20	24 in. wide	300 sq. ft.	**2 32**
No. 20	36 in. wide	450 sq. ft.	**3 28**
No. 20	48 in. wide	600 sq. ft.	**4 25**
No. 20	60 in. wide	750 sq. ft.	**5 20**
No. 20	72 in. wide	900 sq. ft.	**6 17**

Price **1½ cts.** sq. ft. in less than bale lots.

Staples for fastening, **10 cts.** per pound.

	1-inch Mesh		Per bale
No. 20	12 in. wide	150 sq. ft.	**$2 56**
No. 20	18 in. wide	225 sq. ft.	**3 68**
No. 20	24 in. wide	300 sq. ft.	**4 82**
No. 20	36 in. wide	450 sq. ft.	**7 00**
No. 20	48 in. wide	600 sq. ft.	**9 06**
No. 20	60 in. wide	750 sq. ft.	**11 24**
No. 20	72 in. wide	900 sq. ft.	**13 58**

Price **2½ cts.** per square foot, cut lengths.

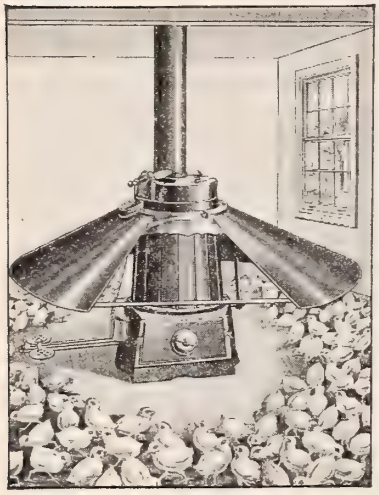
Galvanized Hardware Cloth

Made from heavy wire thoroughly galvanized after weaving. Used largely in corn cribs to make them mice- and rat-proof, also for sieves and fan screens and over windows. 100-foot rolls. 2 ft., 3 ft. and 4 ft. high.

	Full rolls	Less than full rolls
2 x 2-in. mesh . . . . per sq. ft.	**$0 05**	**$0 07½**
3 x 3-in. mesh . . . . per sq. ft.	**05½**	**08**
4 x 4-in. mesh . . . . per sq. ft.	**06½**	**09**
⅝-in. Rabbit, 48 inches per sq. ft.	**10**	**15**

For Quick, Even Heat...G. & T. Co.'s Popular "Eureka"

COAL-BURNING BROODER STOVE



- *Burns Any Kind of Fuel!*
- *Will Last Indefinitely!*
- *A Favorite of Poultry Raisers!*

$15

350-Chick Capacity

An improved design of Brooder Stove that is made of high-quality cast-iron. There is no damper on the smoke-pipe. The check-draft rests on top of the smoke-pipe and opens outward. When fire is too warm, this gives a gentle inflow of air to retard the heat.

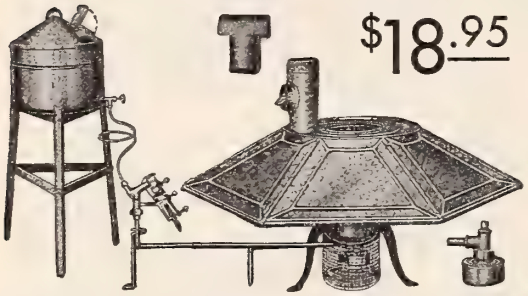
	No. 11 Capacity 350 chicks	No. 22 Capacity 500 chicks	No. 33 Capacity 800 chicks	No. 61 Capacity 1,000 chicks
Size Smoke-Pipe	4 in.	4 in.	4 in.	5 in.
Height to Top of Stove	22 in.	25½ in.	27 in.	35 in.
Diameter of Cylinder	10 in.	11 in.	13 in.	15 in.
Diameter of Hover	42 in.	52 in.	56 in.	60 in.
Coal Capacity	26 lbs.	37 lbs.	50 lbs.	64 lbs.
Diameter of Grate	9 in.	10¼ in.	11½ in.	11½ in.
Height of Hover from floor	8½ in.	11 in.	13 in.	13 in.
Shipping Weight (complete)	82 lbs.	105 lbs.	122 lbs.	165 lbs.
Price	**$15.00**	**$19.00**	**$23.00**	**$29.00**

No. 61 is extra-large, with extra coal magazine.

Galvanized Pipe for Stove Brooders

4-in. Pipe, in 10-ft. lengths, per ft	**$0 12**	4-in. Elbows	**$0 35**
5-in. Pipe, in 10-ft. lengths, per ft	**18**	5-in. Elbows	**40**

HUDSON OIL BROODERS



$18.95

For Houses with Capacity of 500 to 1,000 Day-Old Chicks

No. 255. 54-in. hexagon-shaped Hover. Drum 22 in. diam., 8 in. deep. 8-gal. fuel-tank. Recommended for houses up to 14 x 14 ft. for 500 to 1,000 day-old chicks. Packed in one carton and one crate. (Weight, 68 lbs. with Fuel Stand.) **$18.95**

No. TS3 Tank Stand only. $1.20

No. 367 Brooder. With 66-in. Hover. Capacity, 800 to 1,500 day-old chicks. **$23.85** without Oil-Tank Stand.

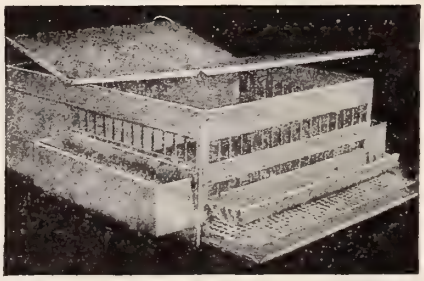
No. 148. Cap. 300 to 500... **$14.95**

Shenandoah Wood Burning Brooder

Safest brooder on the market. Holds even temperature. Least expensive to operate. Send for special circular.

No. 20. For small Rooms **$20.00**

No. 24. For 10 x 10 Rooms or larger. **$24.00**



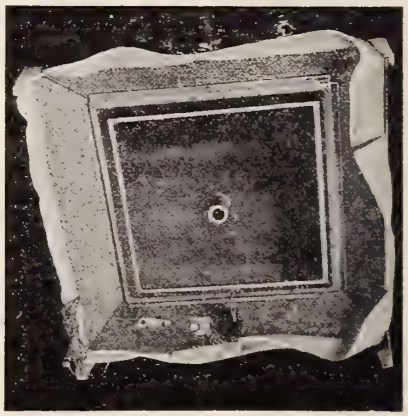
"Contented Chick" Brooder

Sides and ends open, allowing plenty of ventilation and ample feed-space so heavy birds will eat through feed openings. Heating element and thermostatic switch can be raised or adjusted conveniently. Controlled by our "Best of All" quick-break switch. The Brooder has no-waste feed-pans; one-piece water-pans, and die-drawn tinned floors. Ten-ft. cord and curtain.

No. B-1 Electric Automatic. 24 in. wide; 30 in. deep. 150 watt. Weight, 35 lbs. Capacity, 80 chicks **$8.95**

No. B-2 Bulb-heated. 20 in. wide; 24 in. deep. Capacity, 50 chicks **$4.50**

No. C1. 22 in. diameter, bulb heated.. **$2.50**



"Best of All" Electric Canopy Brooder

This model is equipped with the famous "Beacon" heater, giving uniform temperature over entire canopy. Regular models for 110 volts can be furnished for either 110 or 220 volts, as it is equipped with two complete circuits.

Model B-13. 60-in.; 1,000 watts. Capacity 600 chicks. Weight, 110 lbs **$21.75**

Brooder Stove Wafers

A new-type Brooder Stove Wafer developed after years of experiments. Strong and sensitive and expand at low temperature. Double Unit Wafers. 3-in. **25 cts.**; 4-in. **40 cts.**; 5-in. **50 cts.**

POULTRY GUARDS

No. 1223. 12-in. Diam., 13 in. high.. **$0 75**

No. 1420. 14½-in. Diam., 15 in. high. **75**

No. 1723. 17-in. Diam., 18 in. high.. **90**

Poultry House Scraper, 18 inches... **$1 00**

Poultry House Scraper, 13 inches... **90**

Poultry Equipment and Supplies of Highest Quality

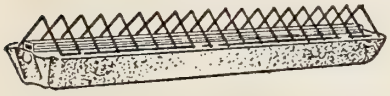
Metal Reel Feeder

8-ft. Feeding-Space!

One of our finest Feeders! Has non-roost adjustable four-vane guard. Non-breakable reel-holders. Wide ends. 4½-inch wide center feed.

No. F-73. Red Tumble Bar. 36-in..**$0 75**
No. F-7. Red Tumble Bar. 48 in.. **90**
No. F-83. Grid Guard. 36-in..... **85**
No. F-84. Grid Guard. 48-in..... **1 00**

Utility Chick Feeder



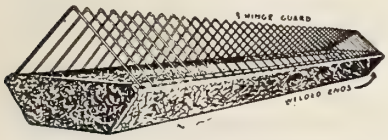
Built for those who prefer a grid-type Feeder. Easily cleaned and non-wasting; 56 inches of feeding-space. Trough is 4 inches wide. Easily attached or removed for cleaning.

No. F-2G. 28 in. long.....**$0 35**

Heavy Charcoal Tin Buttermilk Feeder

No. F-11. 24 in. long.....**$0 60**
No. F-12. 36 in. long..... **75**

Wire Grill Chick Feeder



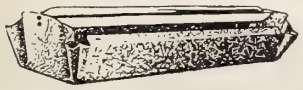
No. F-40 **$1**

Has 8 feet of feeding-space. Sides slope for center feed. Guard wires correctly spaced for birds from 6 weeks to maturity. Welded ends.

No. F-3. 30 in. long.....**$0 85**
No. F-40. 40 in. long..... **1 00**
No. F-4. 48 in. long..... **1 35**
No. F-4D. De Luxe. 48 in..... **1 50**
No. F-4H. Hen. 48 in..... **1 35**

Models F-4, F-4H, and F-4D are equipped with adjustable stand.

Bargain Chick Feeder

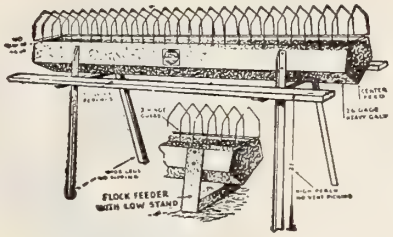


Model F-0 **15c**

The best and largest Feeder for the money. Galvanized, one-piece, die-drawn pan with new metal reel guard. For feed or water.

No. F-0. 12 in. long.....**$0 15**
No. F-1. 18 in. long..... **20**
No. F-2. 28 in. long..... **25**

Flock Feeders



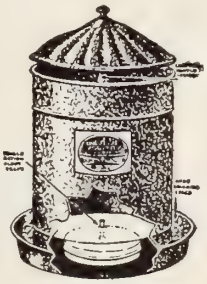
10 Feet of Feeding-Space

Built with a 21-inch-high perch to prevent cannibalism. Also furnished with low stand 4 inches from bottom of feeder to floor. 3-hinge guard. Rigid 26-gauge galvanized.

No. F-50. Low Stand. 5 ft. long....**$3 00**
No. F-51. High Stand. 5 ft. long... **3 95**
No. F-81. High Stand. 8 ft. long... **5 50**

Float Fountain

Equipped with New Non-Roost Top



It has the new improved valve, all brass and double-acting, requiring no adjustments. Has reduced labor costs for hundreds of users and is in wide use exclusively by many large poultry raisers.

No. W-13. Beacon. 10-qt.....**$1 50**
No. W-14. Fountain only, 5-gal..... **2 25**
No. W-14H. Fountain with oil heater. **4 00**
No. W-24. Stand only for W-14..... **1 60**
No. W-14HS. Fountain, Stand, and Oil Heater..... **5 50**
No. W148HS. Fountain, Stand, and Electric Heater..... **5 20**

Chick Fountain

Pan is specially designed with usual depth in center but only shallow water available for the chicks. All-around pan that provides maximum drinking-space.

No. W-2. Drinking-space, 28 in.....**$0 50**
No. W-3. Drinking-space, 35 in..... **80**

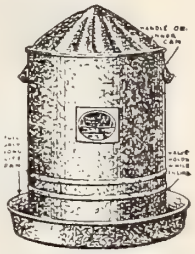
2-Piece Fountain for Small Chicks

A sanitary Fountain, ideal for small broods. Scalloped pan prevents crowding. Pan snaps on and off easily.

No. W-1S. 2-qt.**$0 30**
No. W-2S. 4-qt. **42**

Top-Fill Fountain

Has Double Wall

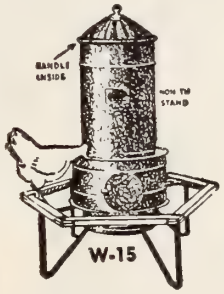


New non-roost top. Convenient handles. Specially built pan with full thickness of galvanizing where it is most needed. A vacuum Fountain with sure-hold valve to retain water while tank is being filled.

No. W-22. 2-gal.....**$1 35**
No. W-23. 3-gal..... **1 65**
No. W-25. 5-gal..... **2 40**
No. W-28. 8-gal..... **3 40**

Plate for Heater no charge so can be used with any Fountain

Quality Float Fountain



Equipped with improved valve that closes completely when Fountain is carried. Water starts flowing automatically. Float shuts water off at correct level. Capacity, 8 gals. Heaters keep water at correct temperature.

No. W-15. Fountain only, 8 gal.....**$3 40**
No. W-8H. Electric Heater..... **1 65**
No. W-9H. Oil Heater..... **1 95**
No. S-24. Stand only, for W-15..... **1 60**
No. W-15H. Complete with Oil Heater..... **5 20**
No. W-15HS. Oil Heater and Stand.. **6 80**
No. W-158HS. Fountain, Stand, and Electric Heater..... **6 50**

Galvanized Fountain

New-style Galvanized Fountains are ideal for use with baby chicks. They hold water at correct level and keep chicks dry.

No. W-0. **$1 per doz.**
No. 142. Heavy Terne Plate. **10c. each.**

Glass Buttermilk Fountain

No. W-0G. **$1.50 per doz.**

Feeder and Waterer

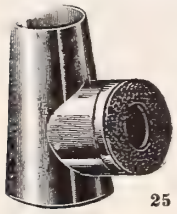
A Feeder and Waterer of finest construction. 14-in. diam., 4¼ in. high. Capacity, 10 qts.

No. W-5.....**$1 00**
No. S-15. Stand. **30**
No. W-5 and S-15. Complete.....**$1 30**

Every Need for Raising Poultry Successfully

No. 302 Reflecto Egg Candler

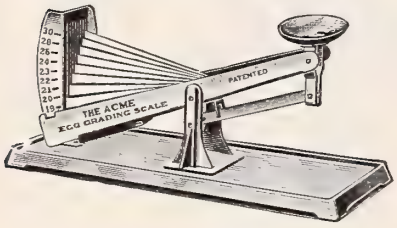
This Candler shows every defect in the egg instantly. Equipped with a reflector that adds to the illumination of entire egg, making it quick and thorough in candling. Can be attached to any light socket. Standard equipment is for 110 voltage. Complete Candler, including cord and socket, for 110 voltage... **$1.30**



Egg-Tester

25 cts., postpaid 35 cts.

The Acme Egg-Grading Scale No. 3



Automatic, quick, accurate, convenient. Standard in all sections. Graded eggs mean a higher market-value.

No. 50 Reliable Scale.....**$2.50**

Incubator Thermometers (Stand Up)

No. 3002.....**$0 75**
No. 127. Brooder. Metal..... **40**
No. 128 and 129. Brooder. On wood. **50**

Automatic Water Valve

Valve is threaded for ¼-inch iron pipe. The wire hook holds the float up while pan is being cleaned or removed.

No. 30. Automatic Valve and Float only. Packed 12 in a carton. Weight each 10 ozs., 6 lbs. per doz.....**90 cts. each**

Red Chief Mills

No. 1. For small poultry raisers. **$3.75**

No. 2. Best Crank Mill on earth. Feed-guage to regulate grinding.....**$5**

No. 5. With large capacity feed- and fly-wheel. Clamps to box. **$7**

No. 10. With feed-gauge, fly-wheel and handsome stand to screw on table. **$9.**

No. 10

Parcel Post New Model Metal Egg Crates

The new patented filler made of cardboard, circular in shape (like an egg) and reinforced with metal edges to insure strength, yet retain lightness in weight, is a wonder for safety and durability.

1-doz. egg size.....**$1 00**
2-doz. egg size..... **1 25**
3-doz. egg size..... **1 50**
4-doz. egg size..... **1 75**
6-doz. egg size..... **2 00**

Boxes for Fresh Eggs

This is not a parcel post or express box, but is intended for counter and private use. Anyone selling eggs will find this box a great convenience, as it obviates any mistakes in the count and also avoids any breakage.

Delaware Egg-Boxes. Two rows for 12 eggs.....**$1.25 per 100**

Eagle Egg-Boxes. Three rows for 12 eggs. **75 cts. per 100**

(Special prices in quantities)

Lansdowne Poultry Marker

30 cts.

Leg Bands

Aluminum. No. 130. 15 cts. per doz.; 35 cts. for 50; 60 cts. per 100; $2.75 for 500; $5 per 1,000.

Celluloid. No. 91. ¾-in. **15 cts. per doz.; 40 cts. for 50; 70 cts. per 100; $3.25 for 500; $4.50 per 1,000.**

No. 92. $\frac{9}{10}$-in. **15 cts. per doz.; 35 cts. for 50; 60 cts. per 100; $2.75 for 500; $4 per 1,000.**

No. 93. ½-in. **15 cts. per doz.; 30 cts. for 50; 50 cts. per 100; $2.25 for 500; $3.25 per 1,000.**

Cel-O-Glass

Made of coarse-mesh galvanized wire cloth, treated in such a manner that the spaces between the strands are filled with a clear, translucent, tough, flexible substance that will not rub off, peel, or become brittle. **3 ft. wide, 50 cts. per running foot. 50-ft. rolls $19.**

Window Fabric

Much cheaper than glass. A strong fabric treated by a patented process to make it transparent and waterproof. It admits abundant light. The popularity of Glass Cloth has been sensational. Width, 36 in. **Yd. 25 cts.; 5 yds. $1.20; 10 yds. $2.20; 50 yds. $10.50.**

Caponizing Tools

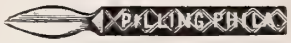
You can do your own caponizing easily with this set of tools. Each tool is made for this special work, and is of the highest grade. These sets are packed in a neat wooden box.

Philadelphia Set.....**$3 75**
Farmer's Set..... **3 75**

Philadelphia Gape Extractor

35 cts. each

French Poultry Killing Knife



Expeditious and humane way of killing and dressing poultry. Price, with full instructions, **65 cts.**

Porcelain Nest Egg

5 cts. each; 30 cts. per doz.; postpaid 40 cts.

Lice Killer and Nest Egg

Combined in One

Lasting; effective. Not expensive. Does not affect the flavor of the egg nor injure it for hatching.....**80 cts. per doz.**

All-Metal Lice-Free Nests

The Nest-boxes are 11½ inches wide and 13 inches deep, with a 9¼-inch nest-hole, sufficiently large for average flocks.

No. B22 10-hole Double-Tier Section. Weight, 65 lbs.....**$7 60**

No. B23 Trap Front. 40 cts. each, extra.

Lawn Park Coop

No. 50 With park.....**$3 75**
No. 40. Without park..... **1 85**

Tested Remedies for Stock and Poultry

AVICOL. Saves the chicks. Avicol has a specific and selective action on the germs causing cholera and white diarrhea. It knocks the germs and gives the chick a chance. **50 cts. and $1.**

BAG BALM. There is no remedy so quick and certain in its curative powers for all diseases of the cow's udder and teats as Bag Balm. It is a soothing, penetrating ointment, especially adapted for all those serious and annoying troubles known as caked bag, cow-pox, chapped, cracked and sore teats, bunches, chafing and inflammation of all kinds. **60 cts.**

B-K BACILI-KIL. Disinfectant—Deodorant—Antiseptic. It is fed in drinking water to calves, little pigs, and poultry. A powerful solvent of all protein matter such as casein milk solids on utensils, dead tissue, pus and mucus in animal tissue. **10-oz. bottle 50 cts.; 1 qt. bottle 90 cts.; 1-gal. bottle $2; 5-gal. carboy $8.50.**

B-K POWDER. Small size 75 cts.; large size $1.50.

BLACKMAN'S SALT BRICKS. The easiest and best way to give medicine to stock—it salts them, too. When dropped in the feed-box, the brick is licked by the animal as needed. Contains copperas for worms, sulphur for the blood, saltpetre for the kidneys, Nux Vomica, a blood tonic, and pure dairy salt. **25 cts. each; $3 per doz.**

BOURBON REMEDIES.

Poultry Remedy. A few drops in the drinking water cures and prevents white diarrhea, cholera, and other chick diseases. **Trial bottle 60 cts.; ½-pt. bottle $1; 1-pt. bottle $1.50; 1-qt. bottle $2.25; ½ gal. $3.50; gal. $6.**

Hog Remedy. Qt. $2.25; ½ gal. $3.50; gal. $6.

CARBOLA. A white paint in powder form combined with a disinfectant many times stronger than pure carbolic acid. It is non-poisonous and non-caustic, kills lice, mites, fly-eggs, etc., and helps prevent the start and spread of contagious diseases that affect man, beast and fowl. **5 lbs. (2½ gals.) 60 cts.; 10 lbs. (5 gals.) $1; 50 lbs. (25 gals.) $3.50.**

CHARCOAL, Fine, Medium, and **Coarse.** A little ground Charcoal mixed with the soft feed in the morning, once or twice a week, is an excellent corrective for the fowls, and keeps them healthy. We carry three sizes: one for grown fowls, one for small chicks, and pulverized. **5 lbs. 25 cts.; 10 lbs. 40 cts.; 25 lbs. $1; 50-lb. sack $1.75; 100 lbs. $2.75.**

CREOSOTE OIL, Grade 1. 1-gal. can 85 cts.; 5-gal. can $3.75.

CRUSHED OYSTER SHELLS. Aid digestion and supply lime. No. 3 for young chicks. **5 lbs. 10 cts.; 100 lbs. 80 cts.; 500 lbs. $3.50. Special prices in larger quantities.**

ALL PRICES IN CATALOG SUBJECT TO CHANGE WITHOUT NOTICE.

DON SUNG TABLETS. Scientifically compounded to make a balanced tonic and regulator for hens and to stimulate egg-laying. A concentrated medicine—no filler. **Pkgs. 50 cts. and $1.**

DR. HESS ANTISEPTIC POWDER. A ready help in emergencies—deserves a place on every stable shelf. For treatment of wire-cuts, scratches, galls, and wounds. Quickly forms coating over wound and starts healing. **4-oz. pkg. 25 cts.; 10-oz. pkg. 50 cts.**

DR. HESS CHICK TABLETS (formerly White Diarrhea Tablets). Most diarrhea conditions can be corrected by Dr. Hess Chick Tablets. These tablets are a bowel stringent to be given in drinking water. Once the tablets are in solution, they remain so. **Pkgs. 25 cts., 50 cts., and $1.**

DR. HESS FLY-CHASER. One application lasts six hours. Prevents milk-slump. Keeps cattle and horses contented during fly season. **Gal. $1.50; 5 gals. $6.**

DR. HESS HOG SPECIAL. A conditioner and mineral supplement for hogs only. Dr. Hess Hog Special is an appetizer, laxative and diuretic—also a perfectly balanced mineral supplement. **1½-lb. pkg. 25 cts.; 3-lb. pkg. 45 cts.; 7-lb. pkg. 95 cts.; 15-lb. pkg. $1.90; 25-lb. pkg. $2.85; 100-lb. drum $9.40.**

DR. HESS LIQUID LOUSE KILLER. Paint roost to kill lice on poultry. Spray plants to kill plant-lice. **1 oz. 35 cts.; 4 ozs. 85 cts.; 8 ozs. $1.45; 16 ozs. $2.25.**

DR. HESS POULTRY PAN-A-MIN. Pan-a-Min is of high value to moulting hens, in egg-production, in reducing chick-mortality, in bone and feather-growth, and in maintaining health. **1½-lb. pkg. 25 cts.; 3-lb. pkg. 45 cts.; 7-lb. pkg. 95 cts.; 15-lb. pkg. $1.90; 25-lb. pkg. $2.85; 100-lb. pkg. $9.40.**

DR. HESS DIP AND DISINFECTANT. One gallon of dip makes from 70 to 100 gallons effective solution. Spray it on roosts. Sprinkle it over the runs and in all cracks and crevices. Makes a splendid dip for hogs and sheep. It's a sure parasite and disease-germ destroyer. Purifies stables, troughs, sinks, drains. **Qt. 50 cts.; ½ gal. 90 cts.; gal. $1.60; 5-gal. can $7.15; 50-gal. drum, $1.15 per gal.**

DR. HESS POULTRY WORM TABLETS. Odorless, tasteless, and non-toxic to poultry. The nicotine in the tablet is released, full strength, in the intestine where the large roundworm lives.

40 tablets	**$0 50**	**500 tablets**	**$3 50**
100 tablets	**1 00**	**1,000 tablets**	**6 50**
250 tablets	**2 00**		

DR. HESS POULTRY WORM POWDER. Convenient to use where you desire to mix it with the feed, and contains the same active ingredients that are in the Tablets. **2-oz. pkg. (50-bird size) 50 cts.; 4-oz. pkg. (100-bird size) 90 cts.; 10-oz. pkg. (250-bird size) $1.90; 1¼-lb. pkg. (500-bird size) $3; 2½-lb. pkg. (1,000-bird size) $5.40.**

DR. HESS POULTRY TABLETS (formerly Roup Tablets). While there is no absolute cure for roup, Dr. Hess Poultry Tablets are of high value in treating locally the swellings incident to the disease. **Pkgs. 25 cts., 50 cts., and $1.**

DR. HESS STOCK TONIC. A summary of many improved tests covering three whole years shows that cows receiving Dr. Hess Stock Tonic produce on the average 54 per cent more profit than cows not getting the Tonic. All the minerals that have proved necessary to the heavy producing dairy cows have been added. **1½-lb. pkg. 25 cts.; 3-lb. pkg. 45 cts.; 7-lb. pkg. 95 cts.; 15-lb. pkg. $1.90; 25-lb. pkg. $2.85; 100-lb. drum $9.40.**

GROUND ALUM SALT. 5 lbs. 15 cts.; 10 lbs. 20 cts.; 100-lb. bag $1.25.

Rock Salt. Per lb. 2 cts.

GROUP-OVER. A wonderful, new, prompt and positive treatment for Roup, Canker, and Colds in Poultry. Roup is one of the most serious of poultry diseases. Stop it quickly with Group-Over. **Large bottle 50 cts.; extra-large bottle $1.**

INSTANT LOUSE KILLER. Kills lice on poultry, horses, cattle; sheep ticks; bugs on cucumber, squash, and melon vines; cabbage worms; slugs on rose bushes, etc. **Lb. 30 cts.; 2½ lbs. 65 cts.; 6 lbs. $1.25.**

KOW-KARE. A remedy in powder form, to be given in regular feed. It cures abortion, barrenness, scours, and caked udder, removes retained afterbirth, purifies the blood, strengthens the appetite, vitalizes the nerves, and prevents disease. It increases the milk-flow. **Small size 65 cts.; large size $1.25.**

POULTRY GRIT. (Poultry, Pigeon, and Chick Sizes.) **5 lbs. 10 cts.; 100-lb. sack 80 cts.; 500 lbs. $3.50.**

ROTO SALT CAKES. 25 cts.

Roto Salt-Holders. 50 cts.

SAL-VET. A medicated salt—a safe, simple, inexpensive remedy which gives worm-infested stock the medicines they need along with the salt they crave. **10-lb. pkg. $1.20; 25-lb. pkg. $2.50; 100-lb. bag $7.50.**

SODIUM FLUORIDE. For lice. Recommended and endorsed by leading agricultural colleges and experiment stations everywhere. **½-lb. box, with sifter top, 35 cts.; 1-lb. box, with sifter top, 60 cts.**

TOXITE. (**Liquid.**) Stops bloody diarrhea in chicks and prevents terrific losses in pullets and old hens from coccidiosis, worms, and other diseases. **Qt. 50 cts.; gal. $1.50; 5-gal. drum $6.50.**

TOXITE OINTMENT. Jar 50 cts.

Sprayers and Insecticides for every purpose. See pages 56-57.

PRICES FOR LARGER QUANTITIES ON APPLICATION

Poultry, Horse, and Cattle Remedies

PRATTS ANIMAL REGULATOR. Intelligent, humane and prudent owners of horses, cows, and other live-stock realize the value of good tonics, regulators, and remedies. **Pkgs. 25 cts., 50 cts. and $1. 25-lb. pails $2.85; 100-lb. drums $9.50.**

PRATTS CHICK TABLETS (Formerly called "Pratts White Diarrhea Remedy"). It is only necessary to give this remedy in the drinking water from the first drink. It has saved many dollars' worth of chicks to poultry raisers. You can depend on it. **30 and 60 cts.**

PRATTS COD-LIVER OIL. Vitamin-tested for poultry and stock. **Gal. $2; 5 gals. $7.50.**

PRATTS DIP AND DISINFECTANT. Three times as powerful as crude carbolic acid. A sure deodorizer, germicide, and liquid lice killer. Use it in roup, colds, and other contagious diseases. **¼ gal. 50 cts.; ½ gal. 85 cts.; gal. $1.45.**

PRATTS NEW SPLIT-ACTION CAPSULE. Does the work of two ordinary worm treatments. A special process (patent applied for) now enables you to obtain a poultry worm capsule in which the Kamala and the Nicotine act separately several hours apart. The medicines do not interfere with each other—their action is split, just like two worm treatments in one capsule. This is the new way to get most satisfactory results, and with least disturbance to the fowls.

Adult Size

50 tablets	**$0 85**	**500 tablets**	**$5 50**
100 tablets	**1 50**	**1,000 tablets**	**10 00**

Chick Size (for birds under 4 lbs.)

50 tablets	**$0 55**	**500 tablets**	**$3 75**
100 tablets	**1 00**	**1,000 tablets**	**6 50**

PRATTS POULTRY INHALANT. It has long been a popular belief that infectious disease germs, expelled by coughing or sneezing, could not hang in the air for hours and be carried by air-currents to other birds. Recently the Harvard University School of Public Health definitely proved these germs may live in the air for 48 hours. Pratts Inhalant helps kill these germs and prevents them from spreading disease. **1-pt. bottle 60 cts.; 1-qt. bottle $1; 1-gal. bottle $3.**

PRATTS POULTRY REGULATOR. Contains just those elements needed to keep poultry in perfect health. Both a tonic and digestive. Prevents common poultry ailments. Produces growth, gives increased vitality, and hastens maturity. Makes pullets early and constant layers. **Pkgs. 25 and 55 cts.; 12½-lb. pkg. $1.60; 25-lb. pail $2.85; 100-lb. drum $9.50; bag $9.25.**

PRATTS POULTRY WORM POWDER. Poultry worms are one of the greatest menaces to the poultry raiser. Pratts Worm Powder will greatly aid your flock and put them on a laying, paying basis. **Pkg., 100-hen size 75 cts.; 500-hen size $2.50; 1,000-hen size $4.50.**

PRATTS POWDER LICE KILLER. Effective, non-poisonous, non-irritating. May be used wherever a powder is suitable. A splendid deodorizer. Will kill lice on horses, cattle, dogs, or cats. **30 and 60 cts.**

PRATTS R-P POWDER AND TABLETS. Contains remedies which are quickly absorbed, purify the blood, and reduce fever. Pills are convenient for individual treatment. Many poultrymen use this remedy the year round as an effective preventive. **Tablets or Powder, 25 and 50 cts.**

PIK-NO-MOR. A great deal of the losses from all forms of picking can be prevented if the poultryman will teach his birds good habits. This can be done with Pratts PIK-NO-MOR. Just smear the salve on one out of every ten chicks. As soon as other chicks get a taste it teaches them not to pick. **25 and 50 cts. per jar.**

PRATTS ROOST PAINT. Contains nicotine compounds that kill lice and mites. Just paint it on the roost. If the roost is dusty or dirty, clean it off. If the roost has been whitewashed, scrape it off and apply Pratts Roost Paint directly to the top of the roost. **½-pt. can 85 cts.; 1-pt. can $1.50; 1-qt. can $2.25.**

WALKO TABLETS. For baby chicks. You can have happy results raising baby chicks if you use Walko Tablets. **50 cts. and $1.**

OLD HICKORY SMOKED SALT. This Salt improves keeping qualities because the smoke on the Salt is available when its preservative help is most needed and best utilized. The smoke permeates the meat while the other curing ingredients are being absorbed. **Pkg. (about 10 lbs.) $1.**

PRATTS C-KA-GENE. Stops heavy losses from BLOODY COCCIDIOSIS. Not a "cure" . . . not a "preventive." C-Ka-Gene works by a new method "IMMUNITY" (permanent protection). Afterwards birds are IMMUNE to the disease for the balance of their lives. Saves money, chicks, litter and labor.

50 Chick size.....**$0 75**
100 Chick size.....**1 25**

Poultry and Calf Foods and Conditioners

PRATTS BUTTERMILK BABY CHICK FOOD. This Food is appetizing, harmless, wholesome, non-stimulating, highly digestible, clean, low in moisture, high in quality, always uniform and complete in every element needed for bone, muscle, feathers, and health. Money can buy no better. **Pkgs. 25 and 50 cts.** Write for prices on 5, 10, 25, 50, and 100-lb. bags.

PRATTS BUTTERMILK GROWING MASH. This produces more pounds of weight on less food. So skilfully and thoroughly processed that all dust, hulls, or other foreign particles are removed. Every ounce is solid food that will build muscle, bone, nerve, feathers, and health. Digestible, appetizing, economical. Write for prices on 100-lb. bags.

PRATTS BUTTERMILK LAYING MASH. A remarkable Mash that is the standard by which all others are judged. Not alone theoretically right but proved by practical test to be the greatest "egg producer" ever made. There is a good reason for every ingredient in this splendid Mash. It produces more eggs at less cost per dozen and gives greatest profits.

Victory and **Supreme.** Write for prices on 100-lb. bags.

PRATTS INTERMEDIATE SCRATCH OR DEVELOPING FEED. Never in your life have you seen such a splendid Scratch Feed. It is clean-cut, uniform in size, attractive in variety and appearance, free from every particle of dust, hulls, chaff, weed seeds or foreign materials, perfectly milled and mixed.

PRATTS LARGE SCRATCH FEED. Made only of the best of plump, sweet, well-seasoned grains, it is the very acme of quality and gives the maximum of results. Every single grain of Pratts is real food.

PRATTS CHICK SCRATCH FEED. Pronounced by authorities everywhere to be the finest, cleanest, purest, most economical, and highest quality Chick Scratch Feed ever offered to the public. Every ingredient is of the highest quality, carefully cracked and processed, and repeatedly cleaned to free it of all dust, hulls, flour, or other useless or wasteful parts.

PRATTS CALF MEAL. A safe and economical feed. It takes a little over 160 pounds to raise a calf to four months of age. Contains properly balanced proportions of nutriments which consist of highest quality proteins, vitamins, and minerals, for health and bone foundations. Analysis: Protein 24 per cent, fat 4 per cent, fibre 6 per cent, carbohydrate 55 per cent, nitrogen-free extract 44 per cent. **Write for prices.**

Baby Chicks

Bred to lay, from big healthy stock. We start shipping about March 1. **Write for prices.**

To be sure of a successful garden, use only the finest seeds. Griffith & Turner Co. have helped make successful gardens for 78 years.

Barn Equipment and Miscellaneous Hardware

Breast Chains

Single slack. 27-in., $\frac{5}{16}$ to ¼ taper, **75 cts.**
Double slack. 28-in., heavy. **85 cts. per pair.**

Cow-Chains

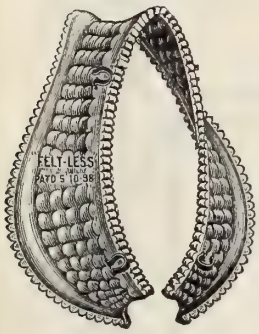
No. 3-0.	Bulldog Cow Tie (Ohio pat.)	**$0 25**
No. 3-0.	Halter, 4½-ft	**20**
	6-ft	**25**
No. 0.	Tie Out Chain. 20-ft	**35**
No. 00.	Tie Out Chain. 20-ft	**50**
No. 000.	Tie Out Chain. 20-ft	**55**
No. 0.	Tie Out Chain. 30-ft	**50**
No. 00.	Tie Out Chain. 30-ft	**65**
No. 000.	Tie Out Chain. 30-ft	**70**

Lap-Links

Open-side, polished. ½ x 2½ in., **10 cts.**; ⅝ x 3 in., **15 cts.**; ¾ x 3 in., **20 cts.**

Chain-Repair Links

¼ or 10-2, **20 cts. per doz.**; 9-32 or 10-1, **20 cts. per doz.**
Assorted Links, **30 cts. per box.**



Sweat-Pads

Felt-less

Pinked felt edges; composite filling; four hooks; old-gold drill. Best on the market.

18 to 20 in.	**$0 50**
21 to 22 in.	**60**
23 to 24 in.	**65**

Hame-Strings

⅝ x 54 in. slit. **30 cts.**

Hame-Straps

1-in., sewed	**$0 45**
1-in., riveted	**30**

Leather Halters

No. 40. 1¼-in., riveted leather. **$2 each**
No. 21. 1¼-in., double stitched, chrome **$2.25 each**
No. 90. 1-in. Colt Halter **$1.75 each**

Halters

Cow Halter. $1.50
Calf Halter. $1.

Curry-Combs

No. 167. All-steel; closed back; 6 bars **25 cts.**
No. 083. Open-back Curry-Comb **25 cts.**

No. 800. All-steel; closed-back; lacquered; extra-size; oval face; curved knockers; braced shank; extending through handle and riveted, enameled handle, brass ferrule; 8 bars **30 cts. each**

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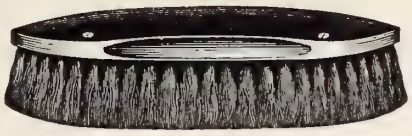


Dandy Brushes

No. 985. Oval. **75 cts.**
No. 940. Palmyra. **60 cts. each**
No. 950. Palmyra. **75 cts. each**

Dietz Lanterns

No. 2. Dietz Blizzard **$1.40 each**
Junior Wagon **$1.90**
Eureka Driving. **$2 each**
No. 0. Victor. 90 cts.

Strap Hinges

	Light pair	Heavy pair
4-in.		**$0 15**
6-in.	**$0 20**	**20**
8-in.	**25**	**30**
10-in.	**45**	**50**
12-in.	**60**	**1 10**

Screw Hinges

	Pair		Pair
6-in.	**$0 35**	20-in.	**$1 00**
12-in.	**50**	24-in.	**1 30**
14-in.	**70**	30-in.	**2 00**
16-in.	**80**	36-in.	**2 40**
18-in.	**90**		

T-Hinges

Extra-heavy T.

	Pair		Pair
4-in.	**$0 16**	10-in.	**$0 55**
6-in.	**20**	12-in.	**1 20**
8-in.	**35**		

Safety Hasps

3-in.	**$0 08**
4½-in.	**10**
6-in.	**15**

Crowbars

Crowbars. Pinch Point. Weight, 24 lbs. **$2.50 each**
Wedge Point. Weight, 24 lbs. **$2.50 each**
Digging Bar, with Rammer combined **$3.**
With Loop Handle **$3.50 each**

Folded Duck Back Bands

With Hooks

No. 25—5 in., 42 in. long	**$0 50**
No. 35—5 in., 42 in. long	**65**
No. 50—5 in., 42 in. long (heavy)	**1 00**
44 inch bands add	**05**
48 inch bands add	**15**

Cold Chisel

½-in. **$0 25** | ⅝-in. **$0 30**

Punch

½-in. **$0 25** | ⅝-in. **$0 30**

Files

Mill Bastard.	8-in.	**$0 25**
	10-in.	**30**
	12-in.	**35**
Cross-Cut.	8-in.	**35**
	10-in.	**40**

Claw Hammers

No. 5191½.	Hand-made	**$0 70**
No. 5171½.	Falls City	**85**

Cast Mauls with Wood End and Wood Handles

10-lb.	**$1 75**
12-lb.	**1 90**
16-lb.	**2 40**

Belt Punches

(Revolving)

Single tube	**$0 35**
4-tube	**85**
6-tube	**1 00**

Ideal Riveting Machine

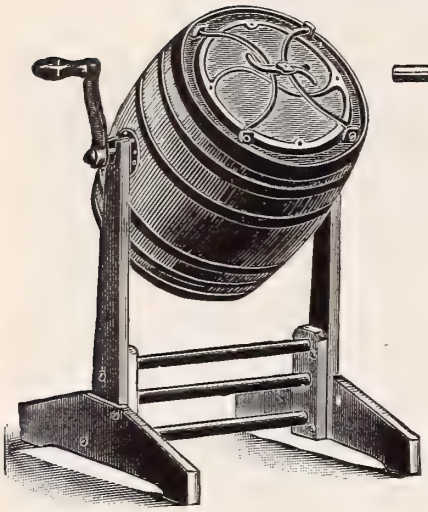
This is the best lowest-priced Riveting Machine made. Warranted to set tubular tivets perfectly **85 cts. each**
Tubular Rivets **15 cts. per 100**

Horse Muzzles

No. 18	**$0 10**
No. 16	**15**
No. 14	**20**

Popular Price Horse Collars and Harness

Finest Quality Dairy Supplies



Baltimore Favorite Churn

Made of thoroughly seasoned material, finished smooth inside as well as outside. The iron ring head is strong and not liable to break. Bails are fastened to the iron ring. Directions for using in each Churn. We furnish Pulleys for power at prices according to size desired.

	Capacity	Churns	
No. 0	6 gals.	3 gals.	**$8 00**
No. 1	10 gals.	5 gals.	**9 00**
No. 2	15 gals.	7 gals.	**10 00**
No. 3	20 gals.	10 gals.	**12 00**
No. 4	25 gals.	12 gals.	**14 00**
No. 5	35 gals.	17 gals.	**16 00**

12-in. Single Pulleys, with Trunnions, for above.....**$4.25 each**
Pulley only.....**$1.50 each**
Trunnion only.....**$1.75 each**

These Churns can be equipped to be run by an electric motor. The outfit consists of a 16-inch grooved Pulley and shaft for Churn and a 16-inch grooved Pulley and Shaft to go on frame and two 62-inch V belts less motor. **$18.** ¼ h.p. Motor is recommended.

Plain Cotton Pads for Sanitary Milk Strainers

These Pads are cut round to fit in the strainer and are a necessity in producing clean milk.

They fit the Sanitary Strainer, as listed 6-in., **75 cts** for 300 (in carton). 6½-in., **87 cts.**

Perfection Anti-Cow Kicker

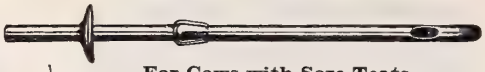
No chain or cutting-edge parts to lacerate, bruise, or blemish the cow's leg. The grapple or hook parts are made from a special size round steel, so shaped and arranged to prevent torturing or injuring the animal's leg. **$1.25.**

Dominion Dairy and Household Cleanser

An improved Cleanser and Purifier for all dairy and household purposes. Just the thing for churns, pails, and anything used in dairies. For household use, laundry work, all kitchen use, house-cleaning, public buildings, hotels and factories.

Dissolves in either hot or cold water, and rinses off perfectly clean without leaving a soapy scum. **5-lb. bag 45 cts.; 25-lb. bag $1.80.**

Aseptic Milking Tubes



For Cows with Sore Teats

Insert one in the teat and the milk will flow. Self-retaining.....**25 cts.**

Rice's Calf Weaners

Also prevents cows from sucking themselves.

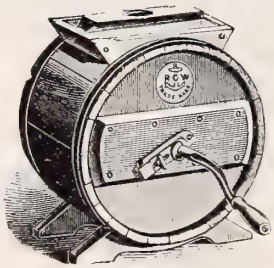
No. 1 (for calves).....**35 cts.**
No. 2 (for heifers)..**40 cts.**
No. 3 (for cows).....**45 cts.**

Shaw's Calf Weaners

The action is entirely in the basket, it being hinged to the end of the nose-piece. Basket is made of heavy galvanized wire and the halter of solid leather; can be adjusted.

No. 1.....**$0 45**
No. 2.....**$0 60**
No. 3..... **70**

Cedar Cylinder Churn



There are a number of Cylinder Churns on the market sold at a lower price, but they are made of pine or other inferior wood, while these are all of selected cedar, free of knots.

No. 1.	2¾-gal	**$4 00**
No. 2.	4 -gal	**4 75**
No. 3.	7 -gal	**5 75**
No. 4.	10½-gal	**6 50**

Hill's Hog-Ringer

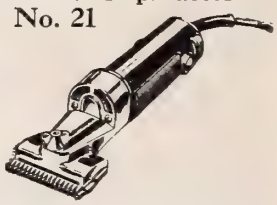
25 cts. each

Pig-Rings. Box of 100.....**20 cts.**
Shoat-Rings. Box of 100.....**20 cts.**
Hog-Rings. Box of 100.....**20 cts.**
Hog-Snout Cutter. Each.....**$2.00**

Bull Rings

Copper, 2½-in. 45 cts.; 3-in. 50 cts. Heavy. $1.25.

Marvelous, New, Improved Stewart Electric Clipmaster No. 21



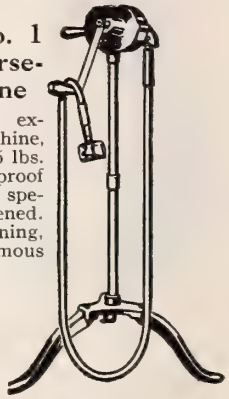
Where electricity is available, this is the easy, quick way to get all the advantages out of the market's best clipping machine.

New, extra-powerful, ball-bearing motor completely self-contained inside the handle. Air-cooled by its own fan and ball-bearings for fast, cool, heavy-duty clipping. Years of experimental work produced this wonderful motor. Hard, all-day, heavy-duty tests have proved it far ahead of anything yet produced.

Smaller, more convenient handle, barely 2 inches in diameter. Perfect balance makes clipping easy and quick. Easy, comfortable grip in any clipping position.

Perfect insulation—shockproof. Impossible for any current to reach clipping head. No ground wire necessary. Uses little current—same as an ordinary light bulb. Weight 6 lbs.....**$17.95 each**

The Stewart No. 1 Ball-Bearing Horse-Clipping Machine



A very rigid and extremely durable machine, weighing, complete, 36 lbs. Gears enclosed in dustproof metal box are cut from special steel and hardened. Has 6-foot, easy-running, flexible Shaft and famous Stewart clipping head.

Complete, $13.45.

The Stewart No. 9 Ball-Bearing Sheep-Shearing Machine

Gears all cut from solid tool steel, hardened, and enclosed in dustproof metal box. Has large balance-wheel to assist in easy running. Every joint in the shaft and shearing head is fitted with ball-bearings. Fitted with No. 7 Ball-bearing Shear, 2 Combs, and 4 Cutters. Weight 50 lbs.....**$23.50 each**

Horse-Clipping Attachment

Will fit any Stewart Sheep-shearing Machine.

Consists of eye spindle and six feet of high-quality flexible shaft. Also the famous Stewart clipping head. Can be attached in a few seconds. Owners of a Stewart Shearing Machine who have horses should have this attachment. Packed in box.....**$8.25 each**

Every Need for Successful Dairying

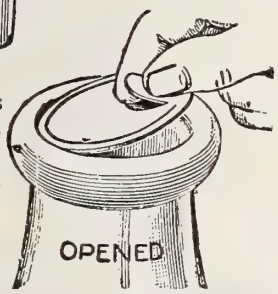
Milk Bottles

These Bottles are made by a factory that specializes in bottle-making. The glass is clear flint. The bottles are made with a long neck, and will show a deep cream-line.

	Doz.	Gross
½ pt.	$0 60	$6 00
Pt.	70	7 65
Qt.	1 00	10 00

Milk Bottle Caps

These Caps are made from 40-point thick board, and are thoroughly waterproofed with paraffine. **85 cts. per 1,000; $4.00 for 5,000.**



Hooded Dairy Pail

Made from finest charcoal plate. One-piece retinned top or hood. Steel bail; reinforced ears. All seams sanitary soldered inside and out.

P8412. 12-qt. . $1 90
P8414. 14-qt. . 2 00
Seamless Hood Pail P8514. 14-qt. 3 50
P8512. 12-qt. . 3 25

Dairy Strainer Pail

Coppered bail. Reinforced ears. Handle near bottom to use when pouring from pail. IX charcoal plate. P14112. 12-qt. . . . $1 25

Extra-Heavy Galvanized Pails

Made from extra-heavy sheets; heavy steel bail; strong ears; hot dipped galvanized after making; practically indestructible.

G2212. 12-qt. $0 60 | G2214. 14-qt. . $0 65

Heavy Galvanized Pails

G1112. 12-qt. $0 45 | G1114. 14-qt. . $0 50

Milk Pails (Block Tin)

P112. 12-qt. $0 45 | P114. 14-qt. . . $0 50

Heavy 2X Charcoal Plate

P5212. 12-qt. $0 75 | P5214. 14-qt. . $0 85

Seamless Pails 5X

P7512. 12-qt. $2 25 | P7514. 14-qt. . $2 50

Milk Strainers

New Sanitary

Milk Strainer is made from heavy steel pressed in one piece, has heavy removable perforated steel well-tinned discs, between which you use the Sanitary cotton filter pads. This is the heaviest and best sanitary Strainer made.

P1834. 4-qt. . $0 60 | P19712. 12-qt. $1 35
1936. 6-qt. . . 1 00

Cream Pails

These Pails are made from 2X charcoal plate, mirrow finish, very strong and durable.

P16214. 14-qt., without Gauge and Faucet $1 10
P16220. 20-qt., without Gauge and Faucet 1 25
P17220. 20-qt., with Gauge and Faucet. 3 00

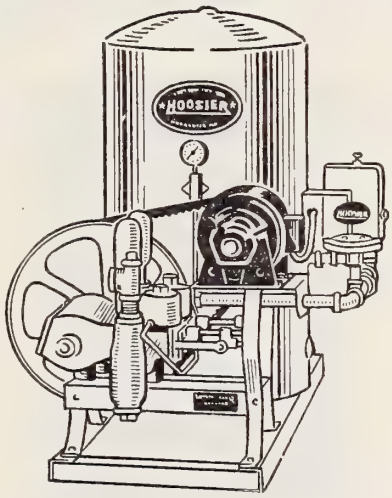
Double-Bottom Cement Pail

G13614. Heavy reinforced galvanized Cement Pail. $1.75

Milk Cans or Kettles

Finest charcoal plate. Seamless cover and neck. Bottom reinforced with steel band. Heavy steel bail. Sanitary soldered. Full capacity.

P2304. 4-qt. . . $1 35
P2306. 6-qt. . . 1 60
P2308. 8-qt. . . 1 75
P2310. 10-qt. . . 2 00
P2312. 12-qt. . . 2 20
P2316. 16-qt. . . 2 55
P2320. 20-qt. . . 2 75



Hoosier Water Service

A Complete Installation for Small Homes!

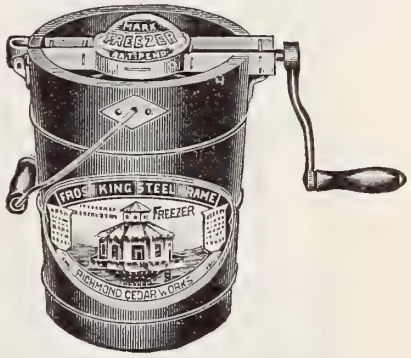
A complete Water Service installation suitable for small homes, using Fig. N-101 Hoosier galvanized pump, suction limit 22 feet, with ⅙ h.p. repulsion-induction motor and steel pressure tank, galvanized inside and outside. The installation has Fig. 1351 automatic controller, air control and pressure gauge, vacuum chamber, floor base, gate valve, silent check valve, and fittings to connect pump and tank, as illustrated. Well and service pipe not included in price of equipment.

Fig. N-191. Single pump; 60-cycle; single phase, 110-220 volt A.C., complete with 100-gallon tank **$84.50**

A complete water system using Fig. N-201 twin pump, repulsion-induction motor, V-belt, automatic controller, vacuum chamber, galvanized pressure tank, floor base, gate valve, relief valve, pressure gauge and control.

Fig. N-261. Twin pump; 60-cycle; single phase, 110-220 volt A.C., complete with 66-gallon tank. ⅓ h.p. Motor. . **$106.10**

Other sizes and tanks on application



Ice Cream Freezers

Snow Ball. Has three motions.

2 qt. . . . . $3 50 | 6 qt. $6 50
3 qt. . . . . 4 45 | 8 qt. 8 75
4 qt. 5 00

Frost King. Has single motion.

4 qt. . . . . $4 50 | 8 qt. 7 50
6 qt. 5 50

Butter Coloring

Purely Vegetable

Small size, to color 500 lbs. $0 35
Medium size, to color 1,250 lbs. 65
Large size, to color 2,800 lbs. 1 00

Hocking Valley Cider Mills

Bantam, with hinged tub $23 70
Junior, with hinged tub 34 60
Medium, with hinged tub 41 00

Oasis Fruit Presses (Hinged Tub)

No. 101. Tub 11½ x 11¼ in. $9 80
No. 202. Tub 14½ x 12¼ in. 12 75
No. 303. Tub 17¾ x 15½ in. 20 90
No. 404. Tub 23¼ x 20 in. 32 25

Clark All-Day Heat Units

1 dozen in carton $1 20

Famous Hudson Barn Equipment

Hudson Cow Stall and Stanchions

Specifications

Horizontal Top Rail: 1½-inch square tubing; non-twisting and absolutely rigid.

Partitions: 1⅝-inch O. D. high carbon-steel tubing, triple bend; extend backward 3 feet from stall-post. Other sizes on special order.

Uprights: 1⅝-inch O. D. high carbon-steel tubing.

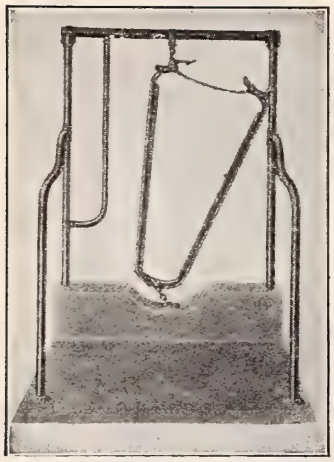
Sure Stop: Rigid, post to top-rail type. Can be used on narrow stall without reducing headroom. $1\frac{1}{16}$ O. D. high carbon-steel tube.

Fittings: Improved dustproof design.

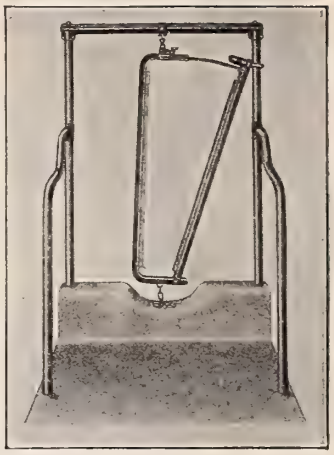
Anchors: Hudson angle-iron base, anchor post, stanchion, partitions, and the entire stall frame into concrete. A continuous anchorage the whole length of stall row across the width of stall at front and rear.

Assembly: Hudson labor- and money-saving method of assembling at factory, made possible only by the Hudson continuous double angle-iron anchors, reduces cost of erection and simplifies installation to greatest possible degree. Shipped three stalls set up in unit, ready to place in position on barn floor.

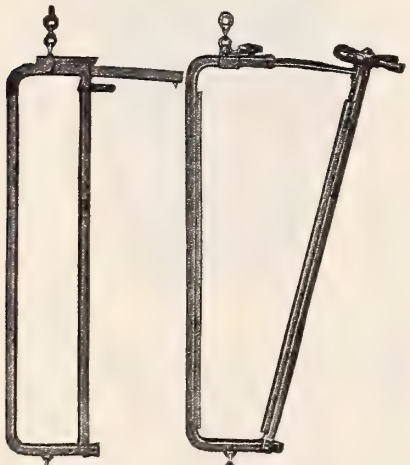
Curb: We recommend high curb, with cut-out for stanchions. Low curb may be used if preferred.



2A Stall, less Stanchion, $7.90



1A Stall, less Stanchion, $7



No. 181 **No. 193W**

Hudson Stanchions

No. 181. Steel U-Bar Stanchion with heavy steel fittings; no castings used. Latch made of pressed steel, protected so the cow cannot open it. Weight 18 lbs..... **$2.25**

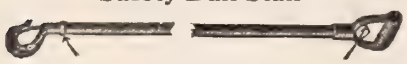
No. 193. The new features of this popular Stanchion make it unusually desirable. Made of high carbon U-Bar with or without wood linings. Patented, quick-acting latch, double lever type. Cow-proof. Adjustable neck-space. Will stand rough usage and give years of service. Plain Steel Stanchion. Weight 18¾ lbs..... **$3.25**

No. 193W. Wood-lined Stanchion. Weight 20¼ lbs..... **$3.65**

Hudson Sanitary Pens

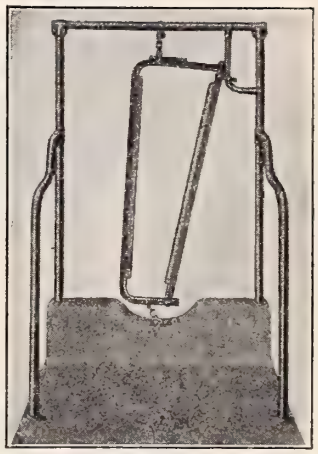
For cows, calves, and bulls. Write for prices, giving sketch and size of Pens needed.

Safety Bull Staff



Constructed of $1\frac{1}{16}$-inch O. D. extra-heavy steel tubing with malleable lock hook. Will not break even when subject to severe strain. Length, 4 feet, 9 inches. Weight 8 lbs..... **$3 50**

Bull Leader Snap..... **1 25**



No. 500 Stall only, $6

No. 500 Stall is shipped knocked down and without the Hudson Angle Anchor System.

Upright, Partition and Top Rail: 1⅝-inch O. D. carbon-steel tubing.

Fittings: Malleable. Tee Couplings, two-bolt dustproof type.

Anchors: No. 10B U-bolt and yoke.

Width: Regular 3 feet 6 inches. Narrower Stalls can be furnished when specified.

Weight: Complete with Stanchion, 52 lbs.

Can be furnished with other Hudson Stanchions at difference in price of Stanchions.

Cast-Iron Corner Mangers

With roll-front Food-Guard.

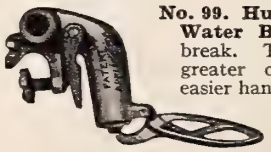
	Length	Width	Depth	
No. 6.....	17 in.	17 in.	10 in.	**$4 00**
No. 7.....	18 in.	18 in.	10 in.	**4 50**

Wrought-Iron Hay-Rack

No. 12. Frame, 1-inch channel; 8 uprights; ½-inch round bar, exceptionally strong and heavy..... **$4.25**

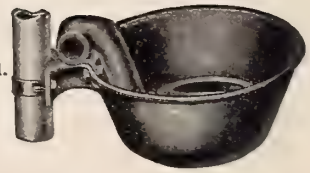
No. 13. Frame, 1-inch channel; 6 uprights; ½-inch round bars..... **$4.25**

Hudson Water Bowls



No. 99. Hudson New Steel Water Bowl. Will not break. The Bowl has a greater capacity and is easier handled..... **$3.50**

No. 99. Steel.



No. 117 Bowl. $3.25

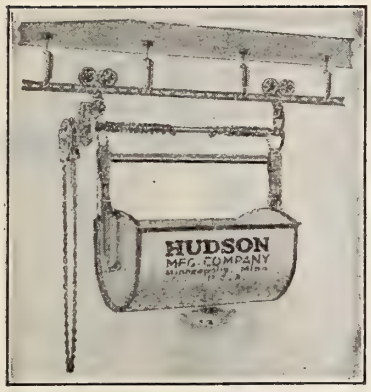
Hudson Milk Stools

No. 96S. These have proved extremely popular, not only for milking but for many uses around the home, office, or store, in garages, filling stations, and camps. Pressed steel top. Comfortable for milking and will not tip. Legs high carbon steel, strongly reinforced and braced; will not twist. Weight about 4 lbs..... **75 cts.**

Keystone Calf Feeder

$2.25.

Feed and Litter Carriers

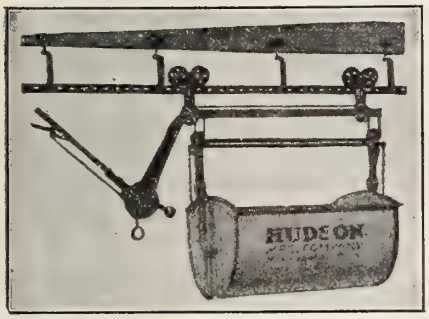


Chain-Hoist Litter Carrier

No. 59B

This Carrier combines great strength and rapid action. The hoisting chain is of special strength and is of a length to correspond with the shaft on which it winds. Carrier is equipped with friction brake. Tub is made of heavy galvanized sheet steel reinforced around the top and ends with 1-inch angle iron. The Carrier locks at both ends, which increases its life. Bale is constructed of 1 by 1½-inch channel steel, strongly reinforced. Chain-shaft is 1-inch cold rolled steel. The full-swiveled, tandem trucks give greater bearing on the track and ease in turning corners.

Tub 42 in. long, 28 in. wide, 24 in. deep, inside measurements. Capacity, 12 bus. Weight, 182 lbs.....**$55.00**



Lever-Hoist Litter Carrier

No. 42N

Makes a clean job out of a dirty one
Specifications:

Hoist: Ratchet and drum. Drops tub to floor in an instant or it can be lowered slowly, as desired. Lifts loaded tub in 10 seconds or less. Tub has regular drop of 8 feet. Extreme leverage and little friction make it quickest and easiest lifting Carrier.
Drum: Gray iron, 3¾ x 7½-inch diameter.
Lifting Cable: Best crucible steel, ¼-inch diameter.
Lift Cable Pulleys: Gray iron, 4½-inch diameter.
Lever and Hoist Frame: 2 x ¼-inch steel bars.
Tub: Hudson long-service construction; channel-bail reinforcement.
Track Wheels: Roller bearings, 6-inch diameter.
Capacity: 12 bus. Size of tub, 42 x 28 x 24 inches. Weight, 205 lbs.....**$67.50**

Galvanized Steel Bottom Floor Feed Truck

No. 141A, with Steel Arch.....**$55 00**
No. 141, less Steel Arch..... **51 50**

Hudson Track Equipment

No. 102. Track.....Per foot, **$0 18**
No. 90C. Track Hangers, with short extension and Nailing Plate..... **37**
No. 90B. Hangers, to clear 4 inches.. **40**
No. 90F. Hangers, to clear 8 inches.. **45**
No. 90L. Hangers, to clear 12 inches. **50**
No. 90P. Hangers, to clear 16 inches. **55**
No. 262. Two-way Switch.....**12 00**
No. 263. Three-way Switch.....**13 00**

No. H15 Automatic Hog Waterer

The Hudson Waterer is made so it will attach to a ¾-inch pipe line, water tank or barrel.
No. H15. Weight, each, 12 lbs.....**$2.75**

Hocking Valley Feed Cutters

No. 9. Hand only.....**$49 75**
No. 11. Hand and power..... **82 20**
No. 13. Hand and power.....**106 50**

Material Required for a Steel Track Outfit

For a 40-foot Barn—One Carrier, 40 feet of steel track, 21 hanging hooks, 21 rafter brackets, 5 knot-passing pulleys, 1 D. H. Fork, 6 floor hooks, 110 feet 13/16-inch manila rope, 40 feet ⅜-inch reverse rope. 1 Rope hitch.

For a 50-foot Barn—One Carrier, 50 feet of steel track, 25 hanging hooks, 25 rafter brackets, 5 knot-passing pulleys, 6 floor hooks, 130 feet 13/16-inch manila rope, 50 feet ⅜-inch reverse rope. 1 Rope hitch.

For a 60-foot Barn—One Carrier, 60 feet of steel track, 31 hanging hooks, 31 rafter brackets, 5 knot-passing pulleys, 6 floor hooks, 160 feet 13/16-inch manila rope, 60 feet ⅜-inch reverse rope. 1 Rope hitch.

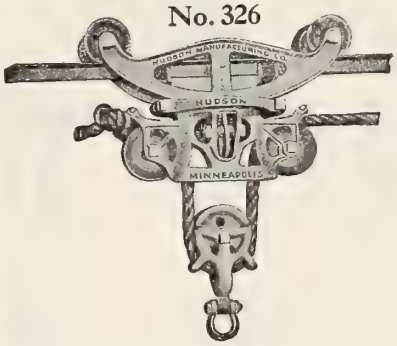
Presto Dehorners

This Dehorner is offered to supply the demand for a simple, well-made, strong dehorning tool at a low Price. The blades slide past each other and are so designed as to cut and not crush the horn. Has malleable iron frame and handles, high carbon steel blades. Finished in enamel.

No. 0. Opening 3 in.; length 34½ in. Weight, 12¾ lbs... **$3.95 each**

No. 3. The best on market. Oil-tempered steel. Opening 3½ in.; length 40 in. Weight, 16¾ lbs..... **$12.00 each**

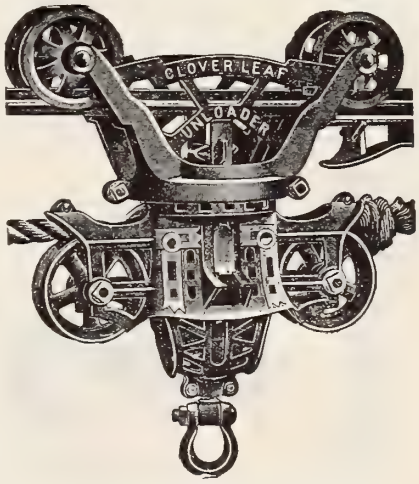
Hudson Adjustable Hay Carrier No. 326



A long wheel-base, heavy-duty fork Carrier, embodying all important features, such as Hudson deadlock, swivel base, turned steel axles recessed into the frame, wide mouth, and interchangeability of parts. The 16-inch wheel-base distributes the load over a greater portion of the track. Shipped complete with Fork Pulley, Trip Block, and two End Stops.

When ordering for other than Hudson Track, specify name of track so that proper Trip Block can be furnished.....**$12 00**
Steel Track. Per ft..... **25**
Track Hanger..... **20**
Trip Blocks..... **70**

Myers' Clover Leaf Unloader



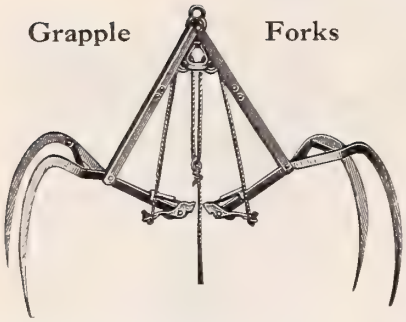
Made of malleable iron throughout and has 16-inch truck. It is substantially built. Fitted with large open mouth to receive the fork pulley when approaching it from any direction. Has swinging fork, pulleys....**$12 00**
Steel Track. Per ft..... **25**
Track Hanger..... **20**
Trip Block..... **70**

Harpoon Hay Fork

No. 1. Double; 25-in. tines.....**$3 00**
No. 1½. Double; 31-in. tines..... **3 25**

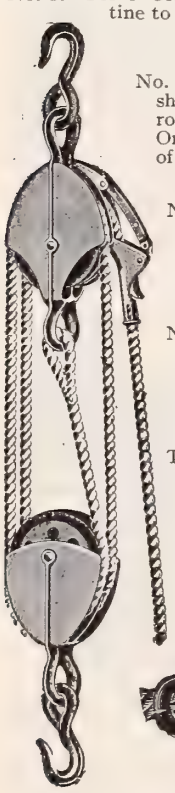
Hay Tools and Barn Door Hangers

Grapple Forks



No. 4. G. & T. Co.'s 4-tine Automatic . **$11 50**
No. 6. 6-tine Automatic..... **13 00**
No. 1. Flexo Grapple Fork 26-inch tine to spread, 6 ft..... **11 50**

Gritco Hoist



No. 40. 2 sheaves above, 2 sheaves below; for ½-inch rope. Capacity, 1,500 pounds. One man can lift 400 pounds of 3-inch sheaves..... **$3.20 each**

No. 34. 2 sheaves above, 2 sheaves below; for ½- to ⅝-inch rope. Capacity, 3,000 pounds. One man can lift 500 pounds of 4-inch sheaves. **$5 each.**

No. 28. 2 sheaves above, 2 sheaves below; for ¾- to ⅞-inch rope. Capacity, 4,000 pounds. One man can lift 600 pounds of 5-inch sheaves. . **$8 each**

Trip blocks for Hay Carriers. **70 cts. each.**

Rope not included in price.

G. & T. Co's No. 14 Swivel Rope Hitch

Price 45 cts.

No. 9 **No. 10** **No. 11** **No. 12**

Pulleys

No. 1133.	Maple Sheave.....	**$0 80**
No. 565.	All Iron.....	**65**
No. 1120.	Knot Passing.....	**90**
No. 434.	Wood Frame with Hook..	**90**
No. 466.	Wood Frame with Eye....	**90**

Rafter Brackets

No. 4. G. & T. Co.'s Steel.....**5 cts. each**

Floor Hooks

No. 5. G. & T. Co.'s. ¾-in..... **19 cts. each**

Iron-Strapped Blocks

Patent Roller Bushed with Beckets

Size of Sheaves Inches	Diameter Rope	Length Pulley	Single Shell	Double Shell
3½ x 1 x ½	¾ in.	6 in.	**$1 50**	**$2 85**
4¼ x 1 x ½	⅞ in.	7 in.	**1 70**	**3 35**
4¾ x 1⅝ x ⅝	1 in.	8 in.	**2 25**	**4 15**

Block and Fall for stages; 2 Single Blocks; 2 Double Blocks. 40-ft. fall, 350 ft.; 50-ft. fall, 425 ft.; 60-ft. fall, 500 ft.

¾-in. rope, 6 ft. to lb.
⅞-in. rope, 4¼ ft. to lb.
1-in. rope, 3¾ ft. to lb.

Lightning Pattern Hay Knife

Price $2.00

American Sickle-Edge Hay Knife

Price $2.00

No. 25 Trolley Roller-Bearing Steel Barn Door Hanger

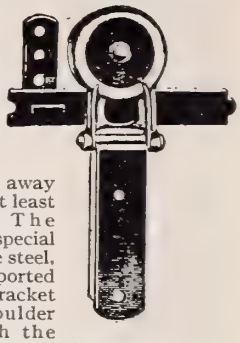
Has two adjustments—vertical and lateral, and a return apron. Pendant 9 inches long, 3½ inches wide, $\frac{3}{16}$ inch thick. Suitable for doors 2 to 3 inches thick and weighing from 400 to 600 pounds. Made to run on No. 31 track. A pair of Hangers consists of two Hangers and carriers, one right and one left-hand bracket, complete with screws for hangers and lag screws for brackets. Hangers and track sold separately. When ordering always give thickness of door, exact width of opening and state whether for single or double door..... **$3.40 per pair**

No. 20-2. For doors weighing up to 300 pounds and 1¾ to 2½ inches thick. Have 2⅛-inch steel wheels, steel roller bearings, 6-inch apron. Packed one pair of Hangers with Bolts, one Joint and two End Brackets. Hangers adjustable, vertical, and lateral. Weight 8½ lbs. per pair..... **$3.10 each**

No. 31 Track. 4-, 6-, 8-, and 10-ft..... **26 cts. per ft.**

Single Brackets.....**23 cts. each**
Double Brackets.....**72 cts. each**

Barn Door Hangers



No. 843. Flexible Hinge Barn Door Hanger. The door can be swung out from the bottom at any angle. The flexible feature allows the top of the door to move away from the building at least one-half inch. The track is heavy special high-carbon flexible steel, $\frac{3}{16}$ x 1¼ inch, supported by a heavy steel bracket with square shoulder mortised through the track every 17 inches. Weight, dozen pairs, 70 pounds. Weight, track, per 100 feet, 105 pounds.....**$1.40 per pair**
Track. Weight, 105 pounds per 100 feet.. **12 cts. per ft.**

No. 1082. Cannon Ball Jr. Adjustable Barn Door Hanger. Lateral and vertical adjustments; tandem roller-bearing machined wheels; heavy one-piece door strap, for doors weighing up to 250 pounds, and 2 inches thick.....**$1.75 per pair**

Cannon Ball Jr. Track. In 3-, 4-, 6- and 8-ft. lengths.....**18 cts. per ft.**

Jr. Track Brackets, Joint and **Center**... **12 cts. each**

Jr. Track Brackets, End.....**12 cts. each**

Lag Screws for Track Brackets..... **3 cts. each**

No. 1068. Cannon Ball Adjustable Barn Door Hanger. Has roller bearings, flexible joint, tandem wheels, underslung carriage, lateral and vertical adjustments. For doors from 1¾ to 2½ inches thick, and up to 400 pounds in weight...**$2.75 per pair**

TRACK BRACKETS.

Not included in price of hangers.

Track Brackets, Joint and **Center**..... **22 cts. each**

Track Brackets, End.....**20 cts. each**

Cannon Ball Track. In 3-, 4-, 6- or 8-ft. lengths.....**25 cts. per ft.**

Regular Iron Trace-Chains

	Per pair
7–8–2.....	**$0 75**
7–10–2.....	**80**
8–10–2.....	**90**
9–10–1.....	**1 20**

Add 8 cts. for hook in place of ring.

Butt-Chains

	Per pair
3 ft., 8–2.....	**$0 65**

Log-Chains

	Per lb.
Long-Link or **Ox Chain.** ½-in.; 12 or 14 ft.....	**$0 08**
Long-Link or **Ox Chain.** ⅜-in.; 12 or 14 ft.....	**10**

Approximate Weight.

12 ft., ½-in., 36 lbs.
14 ft., ½-in., 42 lbs.
12 ft., ⅜-in., 21 lbs.
14 ft., ⅜-in., 24 lbs.

Pumps and Accessories

Hoosier Well Pumps

8573 73974 79941 79041

Fig. 79041. Hoosier Open-top Hand-lift Pump. Wrought set length. It has large cast head, swivel bearer top, long handle, and is adjustable. The standard or barrel is made of 1½-inch pipe and has the anti-freezing feature. It has a 3-inch iron cylinder.....**$9.50 each**

Fig. 79941. Hoosier Hand Force Pump. Wrought set length, swivel bearer top, polished steel piston rod, brass stuffing box, compression cock spout and back inlet. Standard is tapped for pipe just below spout, and with the usual drip-hole directly above cylinder makes the pump anti-freezing. Fitted with 3-inch brass-lined cylinder.....**$15.50 each**

Fig. 73974. Hoosier Windmill Force Pump. Wrought set length; anti-freezing; has detachable polished piston-rod, brass stuffing box, swivel bearer top, back outlet and detachable compression cock spout. The bearer top has removable guide bushing to prevent pump rod wearing directly on bearer guide. 3-inch brass-lined cylinder; 6-inch stroke. Weighs 81 lbs..... **$20 each**

Fig. 8573. Hoosier Windmill Underground Force Pump. Double acting; with wrought set length; anti-freezing. The Pump has brass upper cylinder, positive three-way cock with union connection, adjustable platform base, fitted with 1-inch goose-neck spout, and 1-inch three-way discharge. By removing upper cylinder and cap, the plunger valve can be withdrawn without disturbing the Pump. Suitable for well from 25 to 125 feet in depth. With 3-inch brass body cylinder. **$24.25 each**

Additional for Fitting Pumps

We give below a table of the additional charge for fitting, and the amount stated in table is to be added to the price of the Pump selected. In fitting Pumps we use galvanized pipe and pump-rod, and a strainer foot valve.

Depth of Well	With 1¼-in. Pipe for 2½- and 3-in. Cylinder Pumps	Depth of Well	With 1¼-in. Pipe for 2½- and 3-in. Cylinder Pumps
10 feet	$3 55	34 feet	$10 00
12 feet	4 00	36 feet	10 60
14 feet	4 40	38 feet	11 10
16 feet	4 85	40 feet	11 70
18 feet	5 30	42 feet	12 25
20 feet	5 75	44 feet	12 75
22 feet	6 20	46 feet	13 30
24 feet	7 30	48 feet	13 85
26 feet	7 80	50 feet	14 40
28 feet	8 36	Each additional foot.	27
30 feet	8 90		
32 feet	9 50		

Closed-Top Pitcher Spout Pump

No. 2. Cylinder, 3-in. diam.; Suction, 1¼-in. diam. Polished Iron Cylinder. **$2 each**

No. 3. Cylinder, 3½-in. diam. Suction, 1¼-in. diam; Polished Iron Cylinder.....**$2.50 each**

No. 2. Brass Lined.....**$3.75**

No. 3. Brass Lined.....**$4.00**

No. 2. Plunger.. **60 cts.**

No. 3. Plunger.. **70 cts.**

Brass Jacekt Drive Well Points

	Diam. of pipe	Length	Each
No. 98	1¼ in.	36 in.	$3 00
No. 102	1¼ in.	48 in.	4 00
No. 144	1½ in.	36 in.	4 50
No. 148	1½ in.	48 in.	6 00

Malleable Drive Caps. Hexagon-shaped, for 1¼- or 1½-in. pipe.....**50 cts. each**

Pump Leathers

Our Pump Leathers are cut from the best grade of selected oak tan leather. We offer only such leathers as we can recommend as being absolutely high grade.

Crimped Plunger or Cup Leathers

	Doz.	Each		Doz.	Each
1 -in..	$0 40	$0 05	2¾-in..	$1 50	$ 15
1¼-in..	50	06	3 -in..	1 75	17
1½-in..	65	08	3¼-in..	2 00	20
1¾-in..	75	08	3½-in..	2 40	25
2 -in..	95	09	4 -in..	3 20	30
2¼-in..	1 00	10	4½-in..	3 80	35
2½-in..	1 25	13	5 -in..	4 80	50

Plunger and Lower Valve Leathers

Outside Diam.	Cylinder Diam.	Dozen	Each
2 in.	1½ in.	$0 45	$0 05
2¼ in.	1¾ in.	50	05
2½ in.	2 in.	60	08
2¾ in.	2¼ in.	75	09
3 in.	2½ in.	90	10
3¼ in.	2¾ in.	1 00	12
3½ in.	3 in.	1 20	15
3¾ in.	3¼ in.	1 35	16
4 in.	3½ in.	1 55	18
4½ in.	3¾ in.	1 80	20
5 in.	4 in.	2 20	25

Galvanized Foot Valves

¾-in.....$1 00
1 -in..... 1 00
1¼-in..... 1 25
1½-in..... 1 80

Pump for Drive Wells

To fit 1¼- or 1½-inch iron pipe

Special No. 1 House. 5 ft. Wood, Porcelain-lined Cylinder, entire length 6 ft. **$11.**

Baltimore Wood Pumps

PRICES OF PUMPS FITTED COMPLETE

With and without Porcelain Cylinder

Depth of well	6x6-in. Unlined	6x6-in. Lined	7x7-in. Lined
10 ft.	$11 55	$14 05	$16 55
12 ft.	12 15	14 65	17 15
14 ft.	12 75	15 25	17 75
16 ft.	13 80	16 50	18 90
18 ft.	15 50	18 15	20 50
20 ft.	16 20	18 80	21 20
23 ft.		20 70	23 70
25 ft.		21 35	24 35
28 ft.		24 70	26 25
30 ft.		25 90	28 18
33 ft.		28 90	31 15
35 ft.		30 90	33 15
40 ft.		35 90	38 15
45 ft.		40 90	43 15
50 ft.		45 90	48 15

Baltimore Wood Pumps

NOT FITTED

No. 0. STOCK PUMPS. 7 x 7 in.; 4-in. Bore

Length	Porcelain lined
6 ft.	$13 50
7 ft.	14 50
8 ft.	15 50
10 ft.	17 50
6 ft., reamed for 6 x 6-in. Extension Pipe; unlined	10 75

No. 1 Favorite House Pump

6 x 6 in.; 3½-in. Bore

Length	Porcelain lined
6 ft.	$11 00
7 ft.	11 75
8 ft.	12 50
10 ft.	14 50
12 ft.	16 50
6 ft., reamed for 6 x 6-in. Extension Pipe; unlined	8 50

Tubing and Miscellaneous

Tubing, 4 x 4 in., 12 ft. long and under, **30 cts. per ft.;** over 12 ft., **32 cts. per ft.**

Extension Tubing, 6 x 6 in., **80 cts. per ft.**

Cylinder Block, Porcelain-lined, 3 ft. long, **$4.90;** 4 ft. long, **$5.70;** 5 ft. long, **$6.50;** 6 ft. long, **$7.30;** 7 ft. long, **$8.10;** 8 ft. long, **$8.90.**

Couplings, 6 x 6 in., for 4 x 4-in. Tubing, **$1.**

No. 00 Buckets, 5 in., **$1.50;** No. 0, 4-in., **$1.25;** No. 1, 3½-in., **$1;** No. 2, 3-in., **80 cts.**

Handle. Any size.....**50 cts. each**

Handle Links or **Knuckles**...**40 cts. each**

Check Valves.....**15 cts. each**

Iron Connection for Drive Wells, fitted for 1¼- or 1½-in. iron pipe.....**$1.50 each**

Extra Iron Spout, with loose collar..... **50 cts. each**

Extra Wood Spouts.....**30 cts. each**

Extra Spout Braces.....**35 cts. each**

Extra Bands.....**10 cts. each**

Extra Ears or **Brackets,** Nos. 35 and 36... **50 cts. per pair**

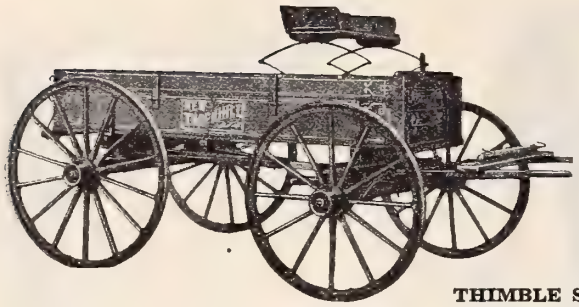
Rod Couplings, 1-in.....**60 cts. per pair**

Plunger Rod.....**4 cts. per ft.**

See page 73 for

Complete Water Service Installations

Griffith & Turner Farm Wagons



One-Horse Wagon

SOLID STEEL AXLE AND THIMBLE SKEIN

If One-Horse Wagon is wanted with Pole instead of Shafts, add.....**$6 50**
Poles for One-Horse Wagons.....**13 00**
Bodies without Seats, 7 ft. 6 in. long, 15 in. deep.....**14 00**
Wagon Seats.....**5 00**
For 1¾ x ¼-in. Tires on 1⅛-in. Axle Wagon, add.....**3 75**
For 2 x ⅜-in. Tires on 1⅜-in. Axle Wagon, add.....**5 00**
For 2 x ⅜-in. Tires on 2⅜-in. Wood Axle Wagon, add.....**5 50**
Shafts as an extra.....**8 00**

THIMBLE SKEIN ONE-HORSE WAGON

Size Cast Skein	Reg. Tires	Height Front Ft. In.	Wheels Rear Ft. In.	Dimension of Body Length Ft. In.	Dimension of Body Width Ft. In.	Dimension of Body Depth In.	Capacity	Weight	Gear only, no brake	Gear with brake	Wagon comp. with body and seat	Wagon comp. with body and brake
2⅜x7½	1¼x⅜	3′ 4″	3′ 8″	7′ 6″	3′ 4″	15″	1,200 lbs.	550 lbs.	**$55.00**	**$60.00**	**$73.00**	**$79.00**
STEEL AXLE ONE-HORSE FARM WAGON												
1⅛x6½	1⅛x5/16	3′ 4″	3′ 8″	7′ 6″	3′ 4″	15″	1,000 lbs.	550 lbs.	**$57.00**	**$63.00**	**$76.00**	**$82.00**
1⅜x7½	1⅜x½	3′ 4″	3′ 8″	7′ 6″	3′ 4″	15″	1,500 lbs.	735 lbs.	**86.00**	**92.00**	**112.00**	**118.00**

Thornhill Farm Truck

A good truck; very strong; suitable for either farm or road work; 2-inch solid steel square axles; wood wheels, 36-inch rear and 32-inch front; 2 x 8½-inch box and with 3 x ⅜-inch tires. It is made in both drop and slip tongue. Top or swing side and tail brakes furnished when ordered.

Equipped regularly with Club Bolster stakes, but can be furnished with stationary stakes. Prices include single- and doubletrees, and chains for stiff tongue, and neck-yoke for drop-tongue Wagon.

Be sure to state just what you want when ordering.

Farm Truck. With Slip Tongues, 32 and 36-in. Wheels....**$93 75**
Farm Truck. With Drop Tongue (from factory).....**93 75**

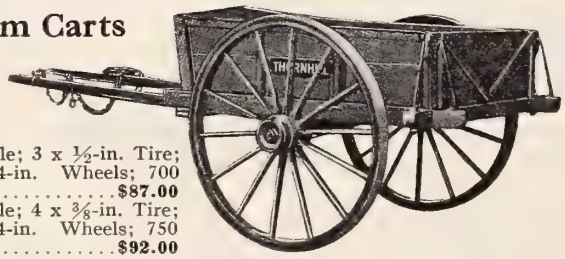
For any of the following extras, add to the above Wagon prices

10-foot Body, with 24-inch Sides, no Seat.....**$26 25**
Body Brake Attachments.....**2 60**
36-inch front and 40-inch rear Wheels.....Optional
40-inch front and 44-inch rear Wheels.....Optional

Thornhill Farm Truck

3 x ½-in. Tires.....**$5 25**
4 x ⅜-in. Tires.....**8 00**
Seat and Springs.....**5 75**
Jersey Double and Singletrees.....**2 25**
Side Brake.....**8 00**
Tail Brakes.....**10 00**
Both Brakes, when ordered at same time.....**16 00**
Stationary Bolster Stakes.....Optional

Farm Carts

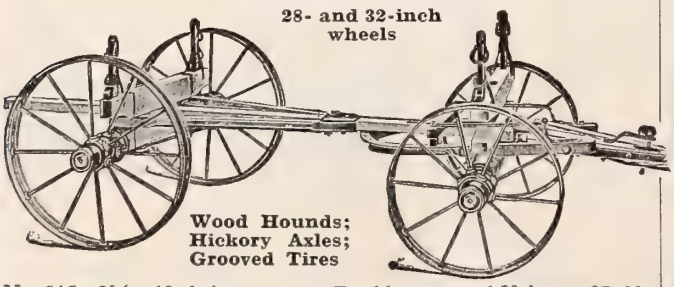


2-in. Axle; 3 x ½-in. Tire; 4-ft. 4-in. Wheels; 700 lbs.....**$87.00**
2-in. Axle; 4 x ⅜-in. Tire; 4-ft. 4-in. Wheels; 750 lbs.....**$92.00**

Handy Steel Wheel Farm Truck

with Full Front Hounds

28- and 32-inch wheels



Wood Hounds; Hickory Axles; Grooved Tires

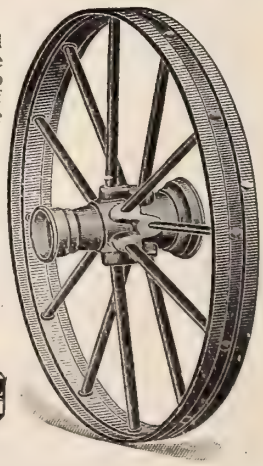
No. 815. 3¼ x 10 skeins. Weight, 500 lbs. Capacity, 4,000 lbs.....**60 00**
Brake.....**7 00**
Double trees and Yoke....**$5 00**
Shafts, extra.....**9 00**
Shafts instead of Pole, add.**5 00**

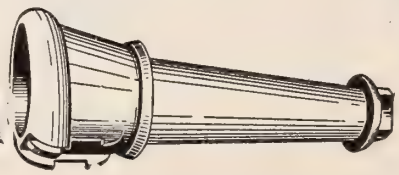
Metal Truck Wheels

We carry Wheels in stock sizes 3 x 9 and 3¼ x 10. All other sizes will have to be ordered from the factory, according to measurements sent, at special prices. If measured wrong, we will not take the Wheels back. Wood Wheels and other sizes, prices on application.

Prices Per Wheel with 4 x ⅜-in. Tires

24-in.....	**$6 60**	32-in.....	**$8 40**
26-in.....	**6 90**	34-in.....	**8 80**
28-in.....	**7 30**		
30-in.....	**7 70**	36-in.....	**9 50**





Cast Skeins and Boxes

2½ x 8 in., with boxes, $8.25 per set; boxes extra $2.75.
2¾ x 8 in., with boxes, $9 per set; boxes extra $3.25.
3 x 9 in., with boxes, $10 per set; boxes extra $3.50.
3¼ x 10 in., with boxes, $12.25 per set; boxes extra $4.25.
3½ x 11 in., with boxes, $15 per set; boxes extra $5.00.
Steel Skeins ordered as desired.

Wagon Accessories

Wood Single, Double, and Tripletrees

Our line of Single, Double, and Tripletrees is the best on the market. Clip ends. Made of second-growth hickory, carefully selected and thoroughly seasoned.

Singletree. 26-in.	**$0 55**	**Singletree.** 34 in.	**$0 65**
28-in.	**55**	**Doubletree.** 36-in.	**1 05**
30-in.	**60**	40-in.	**1 30**
32-in.	**65**	**Extra-Heavy Tripletree.**	**1 75**

Wood Neck Yokes

40-in. **$1 15**
44-in. **1 40**

Wood Singletree Sets

One 36-in. Doubletree and two 28-in. Singletrees, with open rings **$2 25**
One 36-in. Doubletree and two 30-in. Singletrees, with open rings **2 25**
One 40-in. Doubletree and two 34-in. Singletrees, with open rings **2 75**

Full-Length Strap, Wagon-Tree Sets

48-in. Doubletree, 34-in. Singletrees, and 40-in. Neck Yoke ... **$4 50**
Wagon Doubletrees. 48-in. **1 60**
Wagon Singletrees. 34-in. **1 00**
Wagon Neck Yokes. 40-in. **1 40**
Double and Singletrees, less Neck Yoke for rollers, corn planter, etc. **2 00**
Double and Singletrees, with Neck Yoke for rollers, corn planters, etc. **3 25**

Open Side-Lap Links

Polished; ½ x 2½ in. ..... **08 cts. each**
⅝ x 3 in. ..... **12 cts. each**
¾ x 3 in. ..... **18 cts. each**

Set of Welded Clips

For Doubletrees

No. 77. Southern. One ⅝-in. Center Clip and Hook, with Hook and two ½-in. Clips ..... **40 cts. per set**
No. 76. Pennsylvania. One ¾-in. Center Clip and Hook, with ¾-in. Hook and two $\frac{9}{16}$-in. End Clips ..... **60 cts. per set**

For Singletrees

No. 75. One ½-in. Center Clip, and two ⅜-in. End Clips, used on 28-in. Singletrees ..... **28 cts. per set**
No. 74. One $\frac{9}{16}$-in. Center Clip, and two $\frac{7}{16}$-in. End Clips ..... **35 cts. per set**
No. 73. One ⅝-in. Center Clip, and two $\frac{7}{16}$-in. End Clips, used on 34- and 36-in. Heavy Singletrees ..... **40 cts. per set**
No. 72. One ¾-in. Center Clip, two ½-in. End Clips. **50 cts. per set**

Wagon or Truck Skids

These Skids are made from strong, select hickory side-bars, one end being ironed with wedge-shaped steel points, between which the side-bars extend, which prevents them from splitting. The upper end is ironed in a similar way, only it is equipped with hooks to fasten to the body of the vehicle.

6-ft.	**$7 00**	10-ft.	**$10 00**
8-ft.	**8 50**	12-ft.	**13 50**

Mica Axle Grease

This is the highest quality of Axle Grease and contains ground mica, which forms a coating on the axle and makes a perfectly smooth surface. After this surface is formed you need use only half as much Mica as of any other Axle Grease.

Tin box	**$0 15**	10-lb. pail	**$1 25**
3-lb. pail	**40**	25-lb. pail	**2 75**

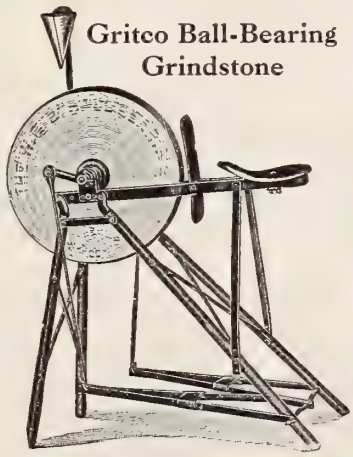
Grinders and Grindstones

G. & T. Co.'s Ball-Bearing Grindstone

This Grindstone has a combination steel and hardwood frame, carefully selected Berea grit stone and ball-bearing steel journals and axles. Weight of frame and fixtures only, 32 pounds. Shipped knocked down.

D185. Stone 90 to 110 lbs. **$10 00**
D190. Stone 70 to 80 lbs. **9 75**
D195. Stone 40 to 50 lbs. **9 00**

Gritco Ball-Bearing Grindstone

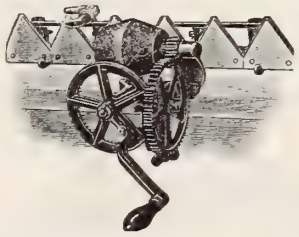


One of the strongest built and practically indestructible **$10 00**
Harvest King, for power **12 00**

Loose Grindstones

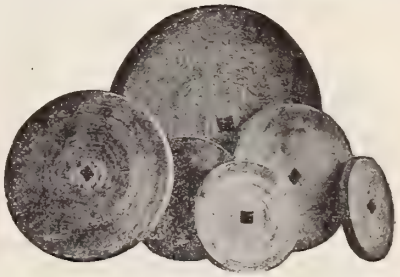
We carry a full line of loose Stones

40 to 200-lb. Stones, 5 cts. per lb.; under 40 lbs., 5½ cts. per lb.; over 200 lbs., 6 cts. per lb.



Sickle and Tool-Grinder

A simple, compact, and serviceable hand-power Sickle and Tool-grinder. Can be clamped either to a mower wheel or to a bench. The tool wheel is 4¼ x 1½ inches.
No. 83. With Bevel and Flat Tool Wheel. **$7 00**
No. 82. With Bevel Wheel **6 00**
Bevel Wheel as an extra **1 40**



Loose Grindstones

Planet Jr. Horse Hoes and Cultivators

It is an unquestioned fact that Planet Jr. horse-drawn cultivating implements are more universally known, and bear a higher reputation for quality, than any other cultivating machines ever made.

Planet Jr. Cultivator

Planet Jr. Plain Cultivator. Four 3 x 8-in. Cultivator Shares. One 4 x 8-in. Cultivator Share.

No. 4. With Steel Wheel.....$10 00
No. 4D. Cultivator without Wheel.. 8 50
No. 9. With Lever and Wheel..... 12 00
No. 9D. With Lever, no Wheel.... 10 50

Planet Jr. Horse Hoe

Cut shows No. 8

Planet Jr. Horse Hoe Equipment: Four 3 x 8-in. Steels, one 4 x 8-in. Steel, one pair 6-in. Hillers, one 7-in. Shovel, and Lever Expander.

No. 9. With Steel Wheel.....$13 75
No. 9D. Less Steel Wheel..... 12 25
No. 8. With Wheel and Lever Wheel. 15 50
Vineturner extra..... 3 00
Roller extra..... 5 00
Steel Wheel as an extra..... 2 00

No. 90 Planet Jr. 12-Tooth Harrow, Cultivator, and Pulverizer

No. 90 Complete as shown. $16.50

No. 90B. Less Pulverizer.....$13 50
No. 90D. Less Pulverizer and Wheel. 10 75

Planet Jr. Cultivator

Light Weight

No. 100D. Light-weight Cultivator, no Wheel.....$7 25
No. 101. Light-weight Cultivator, with Lever and Wheel.....10 00
No. 101D. Light-weight Cultivator, with Lever, no Wheel..... 8 75

No. 220 Planet Jr.

Saves Time, Labor— Produces Bigger Crops

It will distribute 100 to 2,000 pounds of commercial fertilizer to the acre. The shut-off rod is operated without stopping the distributor.....**$28.75 each**

8-inch Steels Fit Planet Jr. Horse Hoes, Plain Cultivators, and No. 72 Pivot Wheel Cultivators.

No. 4064. 1 x 8-in. Steels.....$0 17
No. 1156. 1¼ x 8-in. Steels..... 18
No. 2367. 1¾ x 8-in. Steels..... 19
No. 2368. 2¼ x 8-in. Steels..... 20
No. 2369. 3 x 8-in. Steels..... 22
No. 2370. 4 x 8-in. Steels..... 28

10-inch Steels Fit All Planet Jr. Two-Horse Cultivators Excepting No. 72.

No. 1888. 1¼ x 10-in. Steels.....$0 21
No. 1249. 1¾ x 10-in. Steels..... 22
No. 1199. 2¼ x 10-in. Steels..... 23
No. 1200. 3 x 10-in. Steels..... 27
No. 1201. 4 x 10-in. Steels..... 33

Shovel Steels Fit All Planet Jr. One- and Two-Horse Cultivators.

No. 2539. 7-in. Shovel Steel..**40 cts. each**
No. 2540. 8-in. Shovel Steel..**45 cts. each**
No. 1167-8. 6-in. Hillers....**$1.25 per pair**
No. 495–6. 7-in. Plows.....**$1.50 per pair**

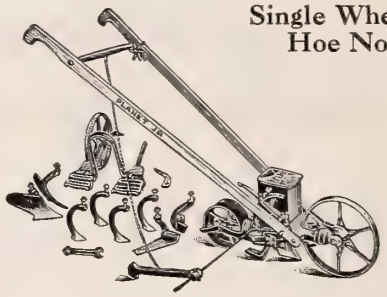
Fire Fly Steels (Planet Jr.)

No. 4639. 1 x 8 in.....$0 13
No. 4640. 1¼ x 8 in..... 14
No. 4641. 1¾ x 8 in..... 15
No. 4638. 2 x 8 in..... 16
No. 4642. 2¼ x 8 in..... 17
No. 4643. 3 x 8 in..... 18
No. 4644. 4 x 8 in..... 20

Planet Jr. Bolts. 1¾-in....**3½ cts. each**
2½-in.....**4 cts. each**
3-in.....**5 cts. each**

Visit our Retail Store where you will see the items you want on display and where advice and suggestions are cheerfully given.

Planet Jr. Combined Seeder and Single Wheel Hoe No. 4

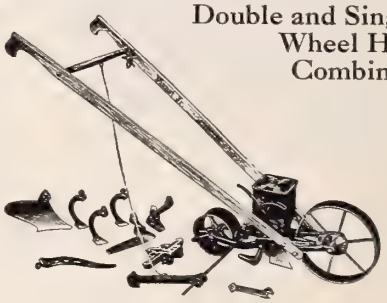


The No. 4 Seeder and Wheel Hoe is the most useful combination available for the home or market gardener. Sows all vegetable seeds in the drill or drops in hills 4, 6, 8, 12, or 24 inches apart. Fine assortment of cultivating attachments take care of all garden work.

Capacity of seed hopper, 2½ quarts. Quickly changed from hill to drill seeder and from seeder to wheel hoe.

No. 4 Hill and Drill Seeder and Single Wheel Hoe Combined...$18 75
No. 4-D Seeder only..... 14 75

No. 25 Hill and Drill Seeder Double and Single Wheel Hoe Combined



The "Complete Gardener." Sows all vegetable seed in the drill and drops in hills 2, 6, 8, 12, and 24 inches apart. As a Double Wheel Hoe it straddles the row, cultivating both sides at one time until the plants are 20 inches high. Cultivating attachments consist of 1 pair of Plows, 1 pair of 6-inch Hoes, 4 Steel Cultivator Teeth and a pair of Leaf-Lifters.....**$22.50 each**

Nos. 3 and 5 Planet Jr. Hill and Drill Seeder

No. 3, $18
No. 5, $19.75

These Seeders are undoubtedly the most favored by market gardeners and other large commercial growers. They are identical in operation and construction, the only difference being that the No. 3 has a 15-inch drive-wheel and holds 3 quarts of seed, while the No. 5 has a 16½-inch drive-wheel and holds 5 quarts of seed.

Garden Tools and Cultivators

No. 300 Planet Jr. Drill Seeder

There has always been a demand for a quality Seeder which will sow through holes in a plate rather than through a variable diamond-shaped opening.

The seed is pushed through a hole in the plate by a patented feed wheel of a new type, assuring accurate seeding.

Capacity, 4 quarts.....**$20.00**

No. 19 Garden Plow and Cultivator

Equipment: One 2-in. Cultivating Tooth; one 10-in. Sweep; one Plow. Packed weight, 18 lbs. Has 15-in. Steel Wheel.....**$4.95**

No. 12 Planet Jr. Single and Double Wheel Hoe

The most popular combination of Double and Single Wheel Hoe for the market and home gardener in use today. The assortment of cultivating attachments consists of one pair of Plows, one pair of 6-inch Hoes, four Steel Cultivator Teeth, and one pair of Leaf-Lifters. Cultivates both sides at one time. **$11.50**

No. 11. With 4½-inch Hoes and four Rakes. **$14.50**

No. 17 Planet Jr. Single Wheel Hoe

As illustrated, $7.75

No. 16. With Rakes and Leaf-guard..**$8 75**
No. 18. With two 6-in. Hoes only.... **5 75**

Fire Fly Garden Plow

This is an exceedingly useful tool to owners of small gardens. It will throw a furrow 4 to 6 inches wide and 1 to 3 inches deep. **$4.50**

No. 119 Planet Jr. Garden Plow and Cultivator

No. 119 has a very strong wheel, 24 inches in diameter, with $\frac{3}{16}$ x ⅜-inch steel spokes.

Equipment: One 1¼-inch Cultivating Tooth; one 4-inch Cultivating Tooth; one Plow; one Reversible Scuffle Blade....**$4.00**

Furnished with Norcross 5-tooth Weeder Attachment in place of Scuffle Blade as 119W.....**$4.50**

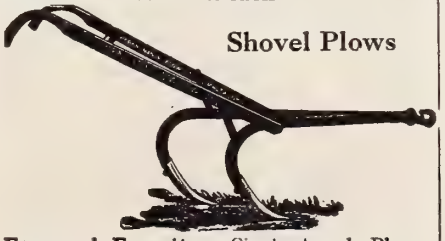
"Oriole" Garden Plow

No. 1. Complete as shown.....**$3.40**
No. 2. With 5-tooth Weeder attached instead of Scuffle Blade.....**$3.60**

Planet Jr. Five-Tooth Weeder Attachment

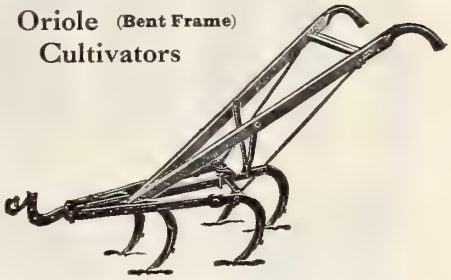
Can be attached to any of the garden plows..**$1.10 each**
Regular 5-tooth Attachment.....**75 cts. each**

Shovel Plows



Farmers' Favorite. Single-shovel Plow, **$4.75;** Double-shovel Plow, **$5.00.**
Regular Triple-shovel Plow.....**$6.60**

Old Dominion (Straight Frame) Oriole (Bent Frame) Cultivators



With outside Handle Braces and Wheel Clamp.

Cultivator, plain.....**$6 00**
Cultivator with Lever..... **7 00**
Wheels for Cultivators..... **90**

Combined Harrow and Cultivator

14-tooth, with outside Handle Braces and Wheel Clamp, without Lever.....**$7 40**
With Lever..... **8 40**

Handles

Handles, Cultivator. Complete. Per pair **$1.60**

Single, Double or Triple Shovel Plows. Complete with Round and Rod. Per set.....**$1.60**

Thermometers

No. 9668. Household Tested Thermometer. Hardwood back; 7½ in. long with 4-in. tube. Red spirits, scaled from 20° below to 120° above.....**15 cts. each**

No. 7583. Household Tested Thermometer. Hardwood back; 7¾ in. long by 2¼ in. wide, with beveled edges. Has a 5-in. magnifying lens. Tube filled with non-fading red spirits, scaled from 30° below to 120° above.....**25 cts. each**

No. 3384. Household Tested Thermometer. Hardwood back; 9¼ in. by 2⅝ in. Natural finish with concave beveled edge. A popular Thermometer for quality trade. **40 cts. each**

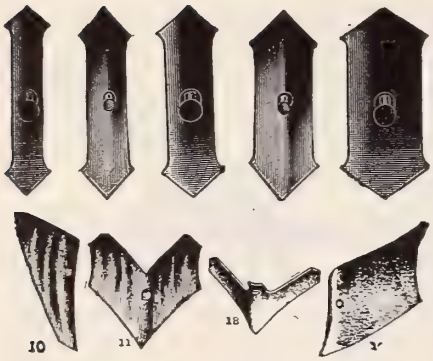
No. 5981. Hotbed. 16-in.; wood frame, with handle; brass pointed ferrule; brass oxidized scale; white-filled figures and graduations.....**$3 each**

No. 205. Large Floating Glass Dairy. Red spirits filled.....**35 cts. each**

If Thermometers are wanted by parcel post, add 10 cents for postage.

ALL PRICES IN CATALOG SUBJECT TO CHANGE WITHOUT NOTICE.

Cultivator Steels and Machinery Parts



Walking Cultivator Steels

		Per 100
No. 0.	1¼ x 8 in.	$12 00
No. 1.	2 x 8 in.	14 00
No. 89.	2½ x 8 in.	15 00
No. 82.	3 x 8 in.	17 00
No. 83.	3½ x 8 in.	19 00
No. 84.	4 x 8 in.	21 00
No. 10.	Turn Shovel	26 00
No. 16.	Turn Shovel	26 00
No. 11.	6-in. Sweep	36 00
No. 11.	8-in. Sweep	39 00
No. 19.	6-in. Sweep	36 00
		Each
No. 18.	6-in. Sweep	$0 30
No. 18.	8-in. Sweep	32
No. 18.	10-in. Sweep	36
No. 18.	12-in. Sweep	40
No. 18.	15-in. Sweep	50
Wheels for Cultivator		90
Set Screw Clamps		40

Plate Bolts, 1½-in., **$2.00 per 100;** 2-in., **$2.25 per 100;** 2½-in., **$2.50 per 100.**

Wheel Cultivator Clamps. **52 cts.**

Teeth for Baltimore Combined Harrow. **14 cts.**

Riding Cultivator Steels

	Each		Each
1¼ x 10 in.	$0 17	3 x 10 in.	$0 22
1½ x 10 in.	18	3½ x 10 in.	24
2 x 10 in.	19	4 x 10 in.	26
2½ x 10 in.	20		

Shovel Plow Steels

FF Triple Shovel Steels, sizes 4 x 7, 4½ x 7, 5 x 8, 5½ x 8 ..... **15 cts. per lb.**

FF Double Shovel Steels, sizes 5 x 10, 6 x 10, 7 x 10, 8 x 10 ..... **14 cts. per lb.**

FF Single Shovel Blades, all sizes ..... **14 cts. per lb.**

Harrow Discs

Front and Back Regular Harrow Discs — **Cutaway Harrow Discs**

Harrow Discs.

16-in.	$1 40
18-in.	1 95

Furnished $\frac{13}{16}$- and $\frac{15}{16}$-in. square hole.

Clark Cutaway Discs. Round hole.

16-in. Horse-drawn	$1 90
18-in. Horse-drawn	2 30
24-in. Bush and Bog	5 50

Spring Harrow Teeth

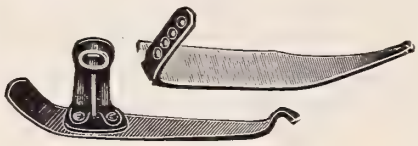
For all leading Harrows ..... **45 cts.**

Machinery Bushings

No. 200. Assortment in sizes from ⅝ to 2¼ inches. Weight, 5 lbs. per box. **Net $2.50**

Bushings in Bulk (14-gauge)

	Per 100		Per 100
¾-in.	$0 80	1½-in.	$1 60
1-in.	1 10	2-in.	4 00
1¼-in.	1 30		



Shoe Soles for Mowers

Adriance

3099D.	Inner, Nos. 7 and 8	$1 40
3073J.	Outer, Nos. 7 and 8	70

Champion

H381.	Inner Draw-cut	1 10
H483.	Outer Draw-cut	95
A6207.	Inner, Improved Mower	95
A5847.	Outer, Improved Mower	85

Deere-Dain

Z5379.	Inner, Dain	1 05
Z5231.	Outer, Dain-Deere	70
Z6058.	Inner, Deere	1 05

Deering

D2510.	New Ideal, Inner (D3501)	95
D2937.	New Ideal, Outer	70

Emerson

M95S.	Inner	1 15
M173½S.	Outer (0-10959), with Bracket	80

Johnston

63FC.	Outer, with Bracket	1 15
1812.	Inner, Nos. 9, 12, and 14	90
2323.	Inner, No. 12	1 05
63FD.	Outer, No. 14	1 15

McCormick

M465.	Inner, New 4-1896-11	1 05
MB465.	Inner, New 4-1912	1 05
MA259.	Outer, New 4	70

McCormick-Deering

MB465.	Inner	1 05
MA259.	Outer	70

Massey-Harris

M2216.	Outer, Nos. 20 and 21, plain	65
M2217.	Outer, Nos. 20 and 21, with Bracket	1 15
M2276.	Inner, Nos. 20 and 21	1 05
130X.	Inner, No. 11	95
L1065.	Inner, No. 22	90
M2898.	Outer, No. 22, with Bracket	1 15

Milwaukee

PJ108.	Inner	1 05
PJ278.	Outer	80

Osborne

7010.	Inner	1 15
10959.	Outer	75

Thomas

1041.	Outer	70
1096.	Inner	1 15
1107.	Inner (New Mower)	85

Link Chain Belting

For use on mowers, reapers, binders, corn and wheat drills, corn shellers, feed cutters, straw stackers, traction engines, etc.

	Links per ft.	Av. Ult. strength	Price per ft. all plain links	Price per link
No. 25	13.3	700 lbs.	$0 17	$0 03
No. 32	10.4	1100 lbs.	17	03
No. 33	8.6	1190 lbs.	16	03
No. 34	8.6	1300 lbs.	18	03
No. 35	7.4	1200 lbs.	20	03
No. 42	8.75	1500 lbs.	19	04
No. 45	7.4	1600 lbs.	18	03
No. 48	6.0	1660 lbs.	23	04
No. 50	8.7	1900 lbs.	22	05
No. 51	10.4	1900 lbs.	24	06
No. 52	8.0	2300 lbs.	23	05
No. 52½	7.9	2866 lbs.	32	06
No. 55	7.4	2200 lbs.	20	05
No. 62	7.25	3100 lbs.	27	06
No. 65	5.66	2460 lbs.	30	08
No. 72	5.9	4240 lbs.	45	08
No. 72½	7.25	4590 lbs.	55	09
No. 76½	5.8	3890 lbs.	42	09
No. 77	5.2	3600 lbs.	35	09

Attachment Links and Steel Links also furnished.

Harrow Shoes

Made of ⅜-inch stock complete with Bolts.

	To Fit	
International.	2 section	$4 50
	3 section	6 60
Massey-Harris, No. 15.	2 section	4 50
No. 15.	3 section	6 60
Oliver.	2 section	4 80
	3 section	6 75
Syracuse.	2 section	3 90
	3 section	6 00
Osborne.	2 section, ¼-inch stock	3 06
	3 section, ¼-inch stock	4 92

Corn Planter Runners

In ordering Planter Runners, always state, as near as possible, the year Planter was made; whether steel or wood frame; or, better still, a diagram showing position of hole and size of bend.

For Single-Row Planters

	Pair
Empire	$2 40
Hench & Dromgold Daisy	3 00
Hoosier	2 40
Case, Farmers' Friend	2 40
Black Hawk	2 40
Avery, No. 27	3 00

For Double-Row Planters

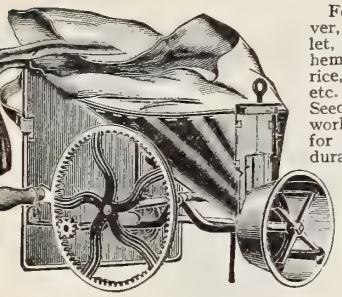
	Pair
Janesville, Nos. 1, 5, 7, and 8	$5 40
Black Hawk, Nos. 1, 3, 4, and 5	4 80
Black Hawk, No. 15, with Block	5 40
Deere, No. 9	4 80
Deere, No. 99, with Blocks	5 40
New Way, with Block	5 40
International, with Block	5 00
J. I. Case, No. P344	4 80
Superior	4 80
Superior, with Block	5 40
Hoosier, No. 11	5 40
	Each
Tiger Transplanter, Shallow	$4 25
Tiger Transplanter, Deep	4 25
Case Transplanter	4 25

Rivets. 20 cts. per lb.

All of our Repair Parts are made accurately and they are guaranteed to fit. Write for any parts we do not list

Seed Sowers, Seeders and Planters

Cahoon's Broadcast Seed Sower



For sowing clover, timothy, millet, oats, wheat, hemp, barley, rye, rice, buckwheat, etc. Standard Seeder of the world—a model for accuracy and durability. Malleable iron frame; steel hopper and gate; brass discharger.

The breadth of the cast will be according to the weight of the seed. Wheat and rye, 30 to 36 ft.; oats, 21 to 25 ft.; barley, 27 to 33 ft.; clover, millet, Hungarian seed, 20 to 24 ft.; hemp, 27 to 30 ft.; timothy, 15 to 18 ft.

Weight, 8 lbs.....**$5.00**

Original Cyclone Improved

To anyone desiring a convenient, practical, and all-round first-class grain and grass seeder, that will meet the most exacting demands, we cannot recommend the Cyclone too highly. Weight, 6 lbs.....**$2.50**

Lightning Horn-Type Seed Sower

Will spread seed evenly from 30 to 40 feet. Method of sowing is by swinging tube in horizontal position from right to left, which closely resembles the old method of hand-sowing. Weight, 1 lb.....**$1.00**

Rapid Plant Setter

Sets all kinds of plants, such as cabbage, tobacco, tomatoes, cauliflower, strawberries, sweet potatoes, sugar beets, etc. The only Hand Mechanical Plant Setter on the market. Built on scientific principles throughout. Its conical jaws are made of heavy sheet steel and the main body or water reservoir and plant tube of heavy tinned plate. The water-valve is of brass with rubber packing. The valve-rod and trip spring are of steel wire; thumb button and other fittings are also of brass. The machine is well put together with rivets and solder and should last for years.....
Masters & Owen $5.25 each

Mower Poles

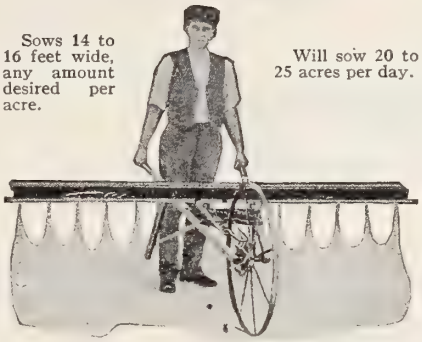
Made of Fir. Will interchange with McCormick, Deering, and other mowers using poles of this size. Natural.

3 x 5 x 13 ft..... **3 40**
Binder Pole. 4 x 4 x 14 ft.....**$2 50**

Thompson's Clover and Grass Seeder

Sows 14 to 16 feet wide, any amount desired per acre.

Will sow 20 to 25 acres per day.



This Grass Seeder is simple, without gearing, cams, or intricate machinery. It cannot get out of order.

Perfection feed is attained in making it absolutely positive, yet a non-leaking carrier, when thrown out of connection. The quantity of seed to the acre is shown by index plate.

Rope Feed Seeder

It is strong, yet weighs but 40 pounds.

No. 1. 14-ft., single hopper.....**$17 00**
16-ft., single hopper..... **18 00**
No. 5. Complete Seeder, with Double Hopper. Sows red-top, orchard grass, blue grass, lawn grass, as well as clover. 14-ft. **$19.00**

Thompson's Royal Clover and Grass Seeder

These Seeders are similar to the Thompson above, except that they have Chain Feed.

No. 11. 14-ft., single hopper.....**$17 00**
16-ft., single hopper..... **18 00**
No. 12. 14-ft., double hopper..... **19 00**
No. 10. 10-ft., double hopper. Universal Seeder for all grass seeds, grain, cowpeas and soybeans.....**$19.50**

Thompson's Golf Special Seeder

Golf greens, fairways, and lawns must be seeded evenly to produce the desired uniform turf.

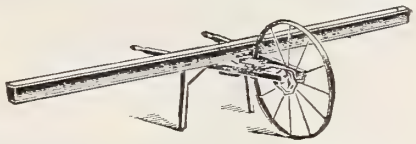
These Seeders are used on America's leading golf courses and private estates because they are speedy, accurate, and economical. Wind or mud do not interfere with their accurate work because they sow close to the ground and cannot clog.

No. 106. 10-ft. hopper. Wt., 60 lbs. **$21.00**

Solid Copper Rivets and Burrs

Each of following sizes in ¼-lb. packages: No. 9. Lengths, ⅝ in., ¾ in., ⅞ in., 1 in. **50 cts. per lb.**
No. 10. Lengths, ⅝ in., ¾ in., ⅞ in., 1 in. **50 cts. per lb.**

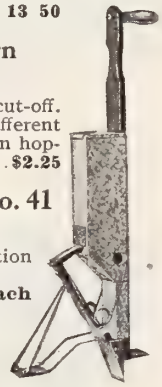
Renowned Star Clover and Grass Seeder



Has a V-shaped box with thin metal bottom. Feed-rod is flat steel, twisted like an auger-bit. Positive feed as shown on index plate. Sows timothy, clover, etc.

14-ft.....**$12 00**
16-ft..... **13 50**

Gritco Hand Corn Planter



Chinese bristle brush cut-off. Slide quickly adjusted for different sized seeds. Galvanized iron hopper.....**$2.25**

American Rotary No. 41 Corn Planter

Has Rotary Slide, a motion two ways—back and forth.
$2.50 each

Baskets

Utility Galvanized Steel Baskets

With Drop Handles. 1-bus.....**$1 15**
1½-bus..... **1 65**
½-bus..... **90**

Split Bamboo and Oak Baskets

Iron-bound.

1-bus.....	**$1 35**	2-bus.....	**$2 50**
1½-bus....	**1 75**	3-bus.....	**3 00**

Daisy Indestructible Farm Baskets

No. 2-PB. ½-bus. rounded full. Made of No. 12 Galvanized Wire, spaced approximately ⅝-inch apart. Hoop welded to each vertical wire. Patent ears that can never come off. Regular bails No. 6 galvanized wire.....**$1.00 each**

Wood Measures

¼-pk.; flat hoops.....**$0 65**
Pk. and ½-pk.; flat hoops..... **1 00**
½-bus.; flat hoops..... **1 60**

Fairbanks Portable Scale

With or without wheels. It is equipped with arrow-tip single beam having a center indicating sliding poise with set-screw, all of brass.

No. 1124. Capacity, 1,000 lbs.
Platform, 18 x 27 in.....**$30 00**
No. 1128. Capacity, 500 lbs.
Platform, 16 x 25 in..... **27 00**

Saws, Hog Scalder and Feed Cookers

Celebrated Cross-Cut Saws

Narrow Perforated

5-ft	$2 25
5½-ft	2 50
6-ft	2 75

Narrow Champion

5-ft	$2 00
5½-ft	2 25
6-ft	2 50

Wide Back Saws

Wide Perforated Tooth

5-ft	$3 50
5½-ft	4 00
6-ft	4 50

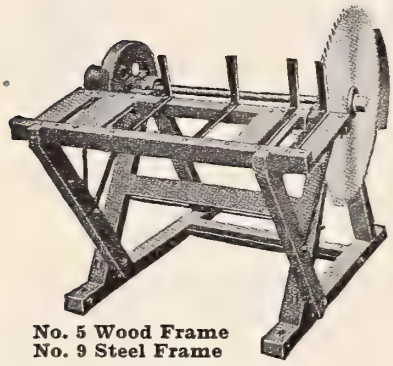
Champion Tooth

5-ft	$3 00
5½-ft	3 40
6-ft	3 75

Price of Cross-Cut Saw is without Handle. Climax Handles, 40 cts. per pair

One Man Cross-Cut Saw

Champion. 3 ft., **$2.25**; 3½ ft., **$2.75**; 4 ft., **$3.25**



No. 5 Wood Frame
No. 9 Steel Frame

Tilting Table Saws

Built specially for sawing poles and cordwood with ease and in fastest time. Mandrel of finest cold rolled steel, $1\frac{7}{16}$-in. diameter, 52 in. long—fitted for saw with 1⅜-in. hole. Fly-wheel is 10 in. in diameter. Weight, 65 pounds. Standard pulley, size 6 x 6 in.

Complete shipping weight, 250 lbs.

Without Saw Blade. No. 5 or No. 9	$25 00
With 22-in. Saw	29 00
With 24-in. Saw	30 00
With 26-in. Saw	31 00
With 28-in. Saw	32 00
With 30-in. Saw	33 00
Buller Saw Set	1 00

Saw Mandrels

Price, $12.50

No. 2. Made from finest cold rolled steel, $1\frac{7}{16}$ inches in diameter, 50 inches long. Furnished with 50-lb. flywheel, 6 x 6-inch pulley, and is turned for saw with 1⅜-inch hole.

Hocking Valley Line of Feed Cutters, Cider Mills, and Oasis Presses

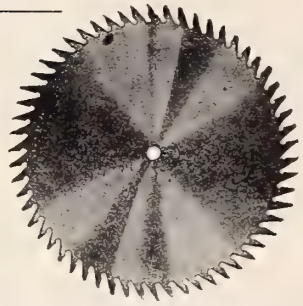
Cider Mill With hinged tub

Bantam. 1 tub	$23 70
Junior. 2 tubs	34 60
Medium. 2 tubs	41 00

Oasis Press With hinged tub

No. 101	$9 80	No. 303	$20 90
No. 202	12 75	No. 404	32 25

Apple Parers ..... **$1.25 each**



Gritco Circular Saws

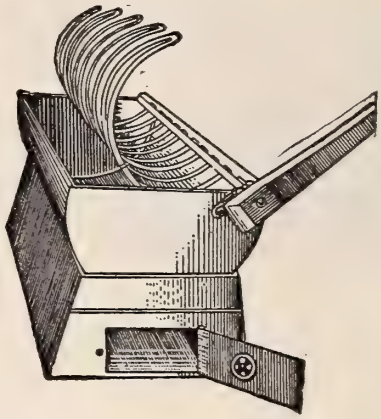
Each blade is given a tough, even temper and perfect tension, all of which is essential to the successful running of the Saw. The workmanship of these blades is unequaled. The prices given are for Saws sharpened and set. All blades with 1⅜-inch hole.

22-in., 12-gauge	$4 00
24-in., 11-gauge	4 60
26-in., 11-gauge	5 50
28-in., 10-gauge	6 40
30-in., 10-gauge	7 25

Iron Kettles with Bails

No. 1551.	Capacity 7½ gals	$3 50
No. 1552.	Capacity 10 gals	5 50
No. 1553.	Capacity 13 gals	6 50
No. 1554.	Capacity 17 gals	7 75
No. 1555.	Capacity 20¼ gals	8 50
No. 1556.	Capacity 24 gals	10 25

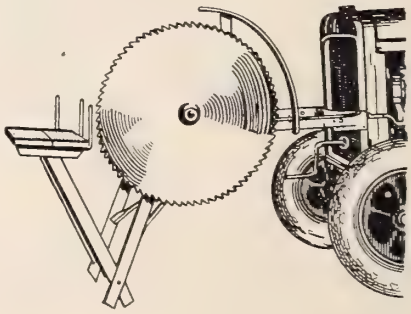
Steel Hog Scalder and Cooker



Plain Scalder, 6 x 2½ x 1½ ft. deep. **$25 each**

Fire-box, with 5-inch pipe-hole	$15 each
Dumping-rack with Lever	$15 each
Scalder, complete	$55 each

Weight, 440 lbs.



Tractor Sawing Outfits

[Specify Name and Number of Tractor

SPECIFICATIONS:

Mandrel: Cold rolled steel shafting, 36 inches long, $1\frac{7}{16}$-inch diameter, with arbor machined for saws having 1⅜-inch hole. The mandrel washers are large and accurately machined.

Bearings: Ball and socket type; self-aligning; can be adjusted to take up wear.

Pulley: Eight inches in diameter with 6-inch crown face.

Price, including Belt and 30-inch Saw Blade, **$38.00**

G. & T. Boiler and Feed Cooker

	Usual Rating	Actual Capacity	Diam. of Furnace	Shipping Wt.	Furnace with Kettle	Furnaces only	Scalding Kettles only
No. 3	30 gals.	24¼ gals.	26 in.	160 lbs.	$23 00	$11 50	$13 00
No. 4	35 gals.	30 gals.	28½ in.	190 lbs.	25 00	12 25	15 00
No. 5	40 gals.	37 gals.	29½ in.	200 lbs.	29 00	14 00	18 00
No. 6	50 gals.	45 gals.	31½ in.	258 lbs.	33 00	15 00	22 00
No. 7	55 gals.	52 gals.	32 in.	280 lbs.	35 00	17 00	24 50

We always ship Furnaces without firepot for coal unless otherwise specified. For wood fuel no firepot or grate is required, but for coal it is necessary to use firepot. **Firepot, $7.85. Grate, $1.25,** f.o.b. factory.

A Variety of Essentials for the Farm

Grain-Drill Tubes

In ordering Tubes it is always best to send an old Tube as a sample. If that cannot be done, be sure to state name of Drill and by all means the length and diameter at top and bottom.

Plain Tubes.....**35 cts. each**

Crankshaft Bushings for All Machines

Write for prices

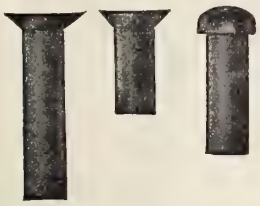
Check-Rower Wire

For Leading Planters

Comes in 10-, 20-, 40-, and 80-rod rolls. **8 cts. per rod.**

Binder Canvas Tacks

Double-pointed, tinned, in ¼-lb. pkgs. **40 cts. per lb.**



Iron Rivets

Most Commonly Used

Mower Section, ½ x 5½.
Binder Section, ⅝ x 6.
Knife-head Mower, ⅞ x 5½.
Knife-head Binder, ¾ x 6.
Guard Plate Mower, 1¼ x 6.
Guard Plate Binder, 1¼ x 6.
Pitman Mower, ¼ x 2¼.
Pitman Binder, ¼ x 2.

Price of above, 15 cts. per lb.

Harvester Buckles

1⅛-in., with 7-in. web attached.....**15 cts.**

Spike Harrow Teeth

½ x 8-in....	$0 07	¾ x 11-in....	$0 14
9/16 x 8-in....	07	⅞ x 11-in....	16
⅝ x 8-in....	07	1 x 12-in....	21

Universal Clamps. **15 cts. each.**

Reversible Harrow Points

Butts (Fits all harrows)	$0 32
Butts, points only	18
Butts, clamps only	14
Syracuse. 1-hole	20
I. H. C. 2-hole	22
Osborne. B. & G., 2-hole	22
Mason No. 256. (Fits all harrows)	30
Oliver Harrow Points	25

Campbell Hammer Lock Cotter Pins

Spread and locked with one blow from hammer. Easily taken out. Assorted box of 100.....**40 cts.**

Corn Hooks and Knives

Little Giant Knife. Oval wood handle	$0 50
Black Diamond Knife. 15-in. blade, 3 in. wide	40
Field King Hook (Quynn Pattern)	40
Brook's Hook. (Corrugated.)	50
Village Blacksmith No. 1	45
Village Blacksmith No. 300	70
Village Blacksmith No. 80	50
Lightning	50

Husking-Pins

No. 7-Y. With cot more open between the fingers. Grain leather	$0 25
No. 100-Y. Cold rolled steel, 4½ in., nickel-plated pin, with split leather shield, double compartment, and adjustable finger-strap	15
No. 00-X. Clark's "Hickory" Pin, 4½ in., made of best cold rolled steel, with one compartment	10

Binder Twine

Write for prices

Fodder Yarn

Write for prices

Best Quality Rope

Write for prices

Rope Plow-Lines

⅜-in.	Manilla.	**35 cts. per pr.**	(42 ft.).
½-in.	Manilla.	**45 cts. per pr.**	(42 ft.).
⅜-in.	Cotton.	**50 cts. per pr.**	(42 ft.).
½-in.	Cotton.	**60 cts. per pr.**	(42 ft.).

Grain-Drill Points

We are one of the largest distributors of Grain-Drill Points and Tubes in the country. For all the leading Grain Drills. In ordering Points, either send an old one or give name of Drill, length of Point, and be sure to give distance from center of hole to end of Point. **20 cts. each**

Alfalfa Belting

Alfalfa waterproof Belting is a belt woven especially for great tensile strength. Nothing but the finest long, staple cotton is used.

	Per ft.
2-in., 4-ply	$0 18
3-in., 4-ply	25
4-in., 4-ply	30
5-in., 5-ply	50
6-in., 5-ply	60

The New Clipper Grain-, Seed-, and Bean-Cleaner

These Cleaners are guaranteed to be first class in every respect. We furnish the best outfit of screens ever sent out with a farm mill. Our perforated zinc screens are graduated in 64ths of an inch in both round and oblong holes. Our woven wire screens are made of plated wire with the meshes uniform and true to count. The zinc screens will not rust and our plated wire screens will last for years if properly cared for.

Vertical Air-Blast. This is a feature that no other Cleaner has, and it makes possible some very difficult separations that can be made in no other way.

No. 2-B differs from No. 1-B only in size and capacity. Both machines are equipped with a set of 12 screens for general farm use. No. 2-B is larger.

No. 1-B	**$50 00**
No. 2-B	**55 00**

Power Attachment included.

Kelly Axes

Complete with 34-in. handle, 3½, 4, 4½, and 5 lbs.....**$2.25**

Single Bit. Axe only.
4½ lbs.....**$1.60**
5 lbs.....**$2.00**

Kelly Half-Hatchets.
No. 2 Hand Made..**95 cts.**

Axe Handles

Oriole. Extra-selected second-growth all-white hickory Axe Handles.....**40 cts.**

Wedges

Strong steel Wedges for splitting wood. Have the right taper and will stick in the wood. Weight, from 3 to 6 lbs...**Lb. 12 cts.**

Alligator Lacing

25G box	$2 40
35N box	1 60

Use Griffith & Turner Co.'s Dependable House Paint for Lasting Service.
See page 58

Mower and Binder Extras to Fit Leading Machines

PARTS FOR OLDER MACHINES CAN ALSO BE SUPPLIED

By following the name of machine across the page, you can find correct number of part wanted.
When ordering Mower Knives and Sickles, always state number of Knife-Head, and how many cutting sections on Knife.

NAME OF MOWER	No. of Knife-Head	Section	No. of Guard	No. of Guard Plate	No. of Pitman	No. of Pitman Box	PRICE PITMAN BOX
Adriance (Buckeye)	557F	745	3087H	716½C	3032H	61K	$0.90
Champion, New Draw Cut (1905-12)	A870	MA333	A881	H253	Steel	B683½	1.60
Champion, Imp. and V. L. (1909 and since)	A5792	MB333	AA881	H253	Steel	A1133	1.45
Deere-Dain Mower (1895-1919)	Z45	Z5059	Z1	Z5062	Z5076	Z205	.90
Deere Mowers (1923 and since)	Z502	Z5571	Z463H	Z5110	Z5661	Z513	.90
Deering, Ideal, Steel Pitman	F123	D1140	D442	D1043	Steel	D334	1.15
Deering, Ideal, New Ideal	D463	D1140	D698	D1739	D2907	G191	.65
Emerson, Standard (1900 and since)	M203	M193S	M614	M301S	Z397	M517	.90
Johnston (1909 and since)	2211	920	1811	912	2228C	2207E	.80
Massey-Harris, No. 11, one-horse	919	920	1811	912	304X	256	1.15
Massey-Harris, Nos. 20, 21, and 22	M902	M2492	M803	M2494	M5176	M800½	.85
McCormick (1888-1909)	M139	MA333	M462	M219½	M392	M317	.65
McCormick (1910 and since)	M139	MB333	MD989	MA990	M392	MD317	.65
McCormick-Deering (1923 and since)	MA139	MB333	MD989	MA990	M392	MD317	.65
Milwaukee, Chain-drive	PG6	PG155	PK5S	P201S	PV290	PJ50	.70
Moline-Adriance	557F	745	3087H	716½C	3032H	61K	.90
Osborne, Columbia (1902-1905)	K284	K223	K514	5401	Steel	K278	.90
Osborne, Nos. 1, 2, and 3 (1905 and since)	K774	5406	KC790	11565	J9439½	KA1158	.90
Thomas-Crown (1888-1923)	6	1077	03	1046	1069	25	.80
Thomas-New Crown (1924 and since)	CM402	1077	CM3	1238	1245	25	.80
Wood-Admiral (1907-1914)	2862	3410	L	9571	8965	2941	1.40
Wood, Vertical Lift (1925 and since)	K366	3410	L	9571	K3434	AK367	1.40

NAME OF BINDER	No. of Knife-Head	Section	No. of Guard	No. of Guard Plate	No. of Pitman
Adriance No. 7 (1915 and since)	JA102	A84	2090	716½A	J1230
Champion, Improved (1909 and since)	2564	G241	3025	G167	Steel
Deere (1914-1923)	HZ493	HZ5186	HZ147	HZ5183	HZ9140
Deere (1923 and since)	B579	B4831	B424	B405	HZ9140
Deering, Ideal (1898 and since)	H877	E1328	286	E1330	H1255
Massey-Harris (1915 and since)	S213	336A	S220	D157	S1032
Milwaukee No. 12 (1907 and since)	SM342	SL877	SM37	SM681	SM844
Moline (1915 and since)	JA102	A84	2090	716½A	J1230
McCormick (1911 and since)	B756	762	HA495	H507	B763
McCormick-Deering	BA756	762	HA495	H507	BA763
Osborne (1915 and since)	C1044	11259	C752	11601	J9048

Complete Knives. 4½ ft. $2 50
Complete Knives. 5 ft. 2 75
Complete Knives. 6 ft. 3 00
Complete Knives. 7 ft. 3 25
Complete Knives. 8 ft. 3 50
Knife-Heads. Steel 90
Knife-Heads. Malleable 50

Sections. Box of 25 ..... $1 50
Sections. Each 08
Rivets. Pound 15
Mower Guards 30
Binder Guards 30
Guard or Leger Plates 06
Guard Bolts 05

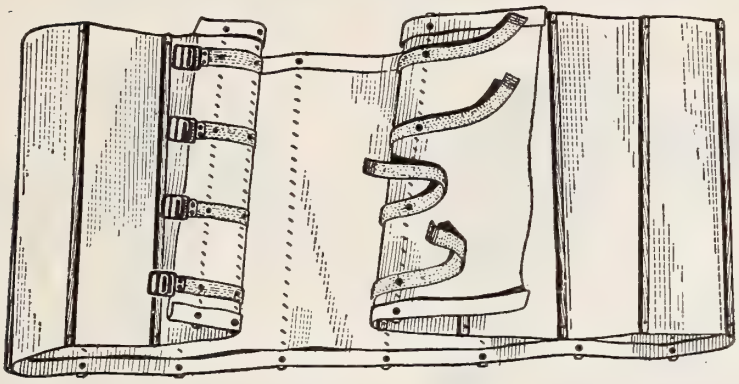
Wood Mower, Pitman's (Massey-Harris) $3 00
Wood Mower, Pitman's, all others 1 75
Wood Binder, Pitman's (McCormick) 75
Wood Binder, Pitman's, all others 55
Pitman Boxes (priced above).
Binder Canvas Slats 08

NAME	No. of Pitman Bolt		No. of Pitman Strap		No. of Knife Clip	No. of Knife Cap		No. of Wearing Plate	
	Knife End	Box End	Knife End	Box End		Front	Rear	Under Clip	Under Cap
Adriance (Buckeye)	602C	607B	600-1E	605C	3093A	3084	3086A	3094A	3098C
Champion, Draw Cut	H609	H632			A1155	A816	A1163	A5858	A5857
Champion, Improved	A5834				A1155	A1235	AB1227	A5858	A6136
Deere-Dain	Z5040	Z5035	Z220-5	Z226	Z6	Z30	Z32	Z5925	Z5063
Deere	Z5040	Z5961	Z392-3	Z516	Z6060	Z6010	Z488	Z5925	Z5685
Deering, Ideal, Wood Pitman	D2591	D2592	G211-2	G210	F94-D927	D826	D984	D3012	D1455
Emerson	Z381	Z382	M417-8	M416	M579	M528	M505		M66S
Johnston	2251	2252	2208-9C	2210	1814D	1885	926	1813	904
Massey-Harris	MA1706	M2511	M2489 / M2490	M2491	M883	L136	M2515	M2277	M2278
Massey-Harris, No. 11	1062	768	71½-71¾	216	1814D		926	1813	904
McCormick	M483	M483½	M147 / M304	M315 / M316	M463	M290	M652	M468	M490
McCormick-Deering	M483	M483½	M147 / M304	M315 / M316	M1000	MA1239	ME652	MA468	MA490
Milwaukee, Chain-drive	PG175	PG175	PM34-5	PL9-9½	PK1	PH2	PM3	PM156	PG157
Moline	602C	607B	600-1C	605C	3093A	3084C	3086A	3094A	3098C
Osborne	9960½	9959½	8131-2	8130	K665	10828	10008	13461	10009
Thomas-Crown	1004	1005	55-6	57	CM352	10	CM329		1091
Thomas-New Crown	1117	1005	55-6	57	CM352	1219	B40	1239-40	1091
Wood-Admiral	9534	A2148	2853 / 2964	2834 / 2835	2865	2761	2959	K3139	K3138
Wood, Vertical Lift	K3435	K3460	K3438 / K3439	K3433	2865	K364	K306	K3139	K3423

Pitman Bolts ..... $0 15 Pitman Straps ..... $0 30 Knife Clips ..... $0 15 Wearing Plates $0 15

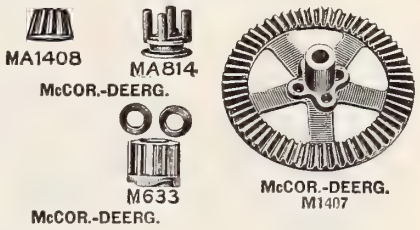
Knife Caps on Application

Binder Canvases—Mower Gears and Pinions



Conveyor Canvases

		Year	Prices
	ADRIANCE—MOLINE		
JD1401.	Lower Elevator, 90 x 52 in., Nos. 4, 6, 7, and 25 Binders	1913	$5 85
JD1402.	Upper Elevator, 90 x 45½ in., Nos. 4, 6, 7, and 25 Binders	1913	5 60
J1450.	6-ft. Platform, 137 x 41 in., Nos. 4, 6, and 7 Binders	1913	7 75
J1451.	7-ft. Platform, 158 x 41 in., Nos. 4, 6, and 7 Binders	1913	9 00
J1452.	8-ft. Platform, 188 x 41 in., Nos. 4, 6, and 7 Binders	1913	10 25
	CHAMPION		
KA3145.	Lower Elevator, 77 x 51½ in., Improved Binders	1909	4 75
KA3144.	Upper Elevator, 96 x 43¾ in., Improved Binders	1909	5 15
KA3147.	6-ft. Platform, 137 x 43¾ in., Improved Binders	1909	6 60
KA3148.	7-ft. Platform, 157 x 43¾ in., Improved Binders	1909	7 65
KA3149.	8-ft. Platform, 185 x 43¾ in., Improved Binders	1909	9 00
	DEERE		
HZ9040.	6-ft. Platform, 135 x 44¾ in., Light-draft Binders	1911	6 60
HZ9041.	7-ft. Platform, 159 x 44¾ in., Light-draft Binders	1911	7 65
HZ9215.	Upper Elevator, 93 x 46⅞ in., Light-draft Binders	1917	4 75
HZ9216.	Lower Elevator, 96 x 50⅞ in., Light-draft Binders	1917	5 15
B8556.	Upper Elevator, 44½ x 97 in., New Binder	1923	4 75
B8555.	Lower Elevator, 50½ x 95 in., New Binder	1923	5 15
B8552.	6-ft. Platform, 38½ x 123 in., New Binder	1923	6 60
B8553.	7-ft. Platform, 38½ x 160 in., New Binder	1923	7 65
B8554.	8-ft. Platform, 38½ x 186 in., New Binder	1923	9 00
	DEERING		
HA4562.	Upper Elevator, 90 x 47 in., Ideal Binders	1908	4 75
HA1775.	Lower Elevator, 89 x 50⅜ in., Ideal Binders	1899	5 15
HA1772.	6-ft. Platform, 133½ x 43¾ in., Ideal Binders	1899	6 60
HA1773.	7-ft. Platform, 157½ x 43¾ in., Ideal Binders	1899	7 65
HA2791.	8-ft. Platform, 183 x 43¾ in., Ideal Binders	1899	9 00
	McCORMICK-DEERING		
BD65.	Upper Elevator, 91 x 47¼ in., R. & L. Binders	1901	4 75
BA66.	Lower Elevator, 97 x 51 in., R. & L. Binders	1901-13	5 25
BB835.	Lower Elevator, 89 x 51 in., R. & L. Binders	1911	5 15
BB466.	5-ft. Platform, 110 x 45 in., R. & L. Binders	1901	6 00
BC467.	6-ft. Platform, 134 x 45 in., R. & L. Binders	1901	6 60
BB468.	7-ft. Platform, 158 x 45 in., R. & L. Binders	1901	7 65
BC469.	8-ft. Platform, 182 x 45 in., R. & L. Binders	1901	9 00
	MASSEY-HARRIS		
A1260.	6-ft. Platform, 138 x 39 in., No. 5 Binders	1915	6 60
A1261.	7-ft. Platform, 162 x 39 in., No. 5 Binders	1915	7 65
S1107.	Lower Elevator, 88 x 53 in., No. 5 Binders	1915	5 15
S1106.	Upper Elevator, 84 x 50 in., No. 5 Binders	1915	4 75
A5013.	8-ft. Platform, 186 x 39 in., No. 5. Binders	1915	9 90
	MILWAUKEE		
SN812.	Upper Elevator, 88 x 47½ in., No. 12 Binders	1907	5 60
SN813.	Lower Elevator, 83 x 52½ in., No. 12 Binders	1907	5 85
SM817.	6-ft. Platform, 137 x 42⅝ in., No. 12 (works for SN817)	1902	7 75
SM818.	7-ft Platform, 158 x 42½ in., No. 12 (works for SL818)	1906	9 00
	OSBORNE		
CA2022.	Upper Elevator, 88 x 42¾ in., New Osborne Binders	1909	4 50
CA2023.	Lower Elevator, 90 x 48½ in., New Osborne Binders	1909	4 75
CA2008.	6-ft. Platform, 134 x 42¾ in., Col. & New Osborne Binders	1896	6 60
CA2009.	7-ft. Platform, 158 x 42¾ in., Col. & New Osborne Binders	1896	7 65
CA2010.	8-ft. Platform, 182 x 42½ in., Col. & New Osborne Binders	1896	9 00

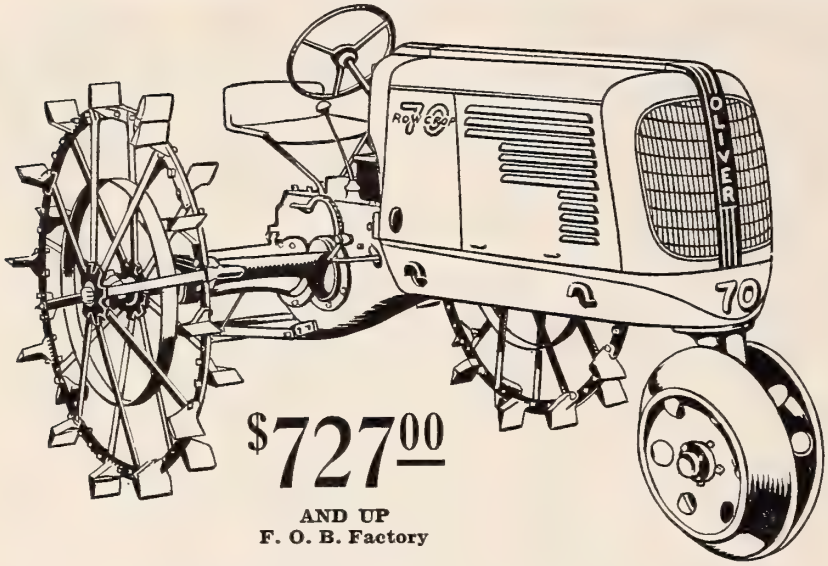


To Fit the Following

Adriance.		
706D.	Spur Pinion	$1 10
555D.	Spur Gear and Bevel Pinion	4 60
Case, Osborne		
894.	Spur Pinion	1 10
896.	Bevel Gear	3 00
899.	Bevel Pinion	70
Champion.		
A865.	Spur Pinion	1 05
A867.	Bevel Pinion	90
A864.	Spur Gear	5 30
Dain, Deere.		
Z125.	Bevel Gear	3 00
Z130.	Bevel Pinion	50
Z414.	Bevel Gear	3 00
Deering Ideal.		
D356.	Bevel Gear	3 75
D458.	Bevel Pinion	75
Deering New Ideal.		
D864.	Bevel Gear	2 90
D865.	Bevel Pinion	80
D730.	Spur Pinion	85
D989.	Bevel Gear	2 60
Emerson.		
M395.	Clutch Gear	2 25
M404.	Bevel Gear	2 15
M608.	Spur Gear	2 50
M522.	Bevel Pinion	75
McCormick New 4.		
M633.	Spur Pinion	1 15
M635.	Bevel Pinion	75
M813.	Bevel Gear	3 45
McCormick New Big 4.		
M837.	Bevel Gear	3 45
M838.	Bevel Pinion	55
MA814.	Clutch	85
M1400.	Clutch	1 25
McCormick No. 6 Vertical.		
MA1406.	Spur Pinion	1 15
M1407.	Bevel Gear	3 45
M1408.	Bevel Pinion	75
Thomas.		
65.	Bevel Pinion. (M259)	85
301.	Bevel Gear. (M231)	2 60
302.	Triple Gear. (M232)	3 45
303.	Drive Gear. (M224)	3 15
20.	Drive Gear. (M223)	3 15
Wood.		
2525.	Bevel Gear	4 25
2791.	Bevel Pinion	1 35
2790.	Spur Pinion	1 45
K338.	Spur Pinion	1 45
Repair Blocks for Guards		1 10

Power-mowing at Low Cost with a Moto-Mower. See page 53

Oliver Tractors and Farming Implements



$727.00
AND UP
F. O. B. Factory

Oliver Row Crop "70"

The World's FINEST Tractor for 1939 at NEW LOW PRICES

Tired of breakdowns? Tired of cranking? Tired of fuel-eating, oil-eating, slow-footed, hard-to-handle tractors?

Then get an Oliver Row Crop "70" at the lowest price in its history. The "70" has all the features you want in a tractor—

LOW FIRST COST—More tractor for your money—six-cylinder, high-compression engine, force feed lubrication, water pump circulation, variable speed governor, Oliver Tip Toe rear wheels and many other features.

SAVES FUEL—with precision built engine and variable speed governor. Winner of nationally recognized fuel economy tests.

SMOOTHER POWER—from a modern six-cylinder, engine with four-speed transmission.

FASTER, BETTER WORK—centrally mounted planters, cultivators and other tools work in plain sight from the tractor seat.

EASIER TO HANDLE—automotive steering, steering brakes, easy-to-reach controls.

POWERFUL—Handles two 14" or 16" bases or four discs at 4½ miles per hour. Pulls a 6, 8, 10 or 12-foot combine, big grain drill, disc harrow, deep cultivator and other tools of equal draft. Drives a 22-inch thresher right up to capacity. Pulls and drives a power binder, 6-foot combine, potato digger. Mows with Oliver mounted or pull type mower.

EQUIPMENT—You can also equip your tractor with self-starter, electric lights, power lift, belt pulley, power take-off, six-speed transmission fenders and other attachments at low prices.

See an Oliver Row Crop "70" before you buy any tractor.

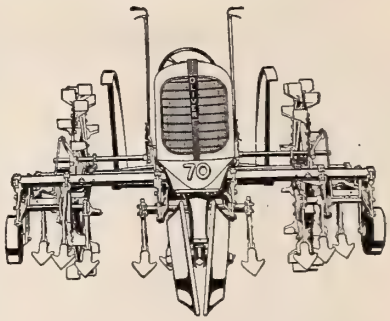
Oliver Row Crop "70" HC Tractor (high compression engine, with steel wheels	$727 00
Oliver Row Crop "70" HC Tractor (high compression engine, with rubber tires	902 00
Belt Pulley, complete	28 00
Power Lift (engine driven)	42 00
Starter	40 00
Lights (where tractor is equipped with starter)	15 00
Fenders	10 00
Power Take-Off	12 00
Muffler	3 00

Above prices f.o.b. Charles City, Iowa.

Write for prices of Row Crop "70" KD Tractor for kerosene or "tractor fuel".

Row Crop Tractor Mounted Equipment

Oliver builds a full line of planters, cultivators, listers, busters, mower and other mounted tools for the Row Crop "70". Write for literature and prices.



Row Crop "70" Cultivators

Easily controlled, centrally mounted two or four-row cultivators for corn, potatoes, etc. Adjustable for 28" to 42" rows. Operation in full view from tractor seat. Hand lift or engine driven power lift type. High clearance design permits fast cultivation and late final cultivation. Strong, full floating gangs. Furnished with 2½", 1¾" or 1½" double point shovels, as ordered, and fenders. Spring trip shanks. Gauge wheels available.

No. 1095-D 2-row, power lift, 11 round shanks. Weight 719 lbs.	$119 40
No. 95-D 2-row, hand lift, 11 round shanks. Weight 658 lbs.	113 15
Pressure spring attachment, each	1 90

Write for prices of other two and four-row mounted cultivators and attachments available.

No. 109 Tractor Plow

A high quality, two-bottom, adjustable frame plow. Covers trash well. Dial hitch permits proper adjustment for tractor and plowing conditions. Frame adjustable for 11", 12", 13" or 14" cut. Furnished with 14" chilled bases, spring locked rear wheel, 15" combination rolling coulters and chilled jointers. $100.65

Spring release hitch instead of regular	$2 50
Spring release hitch as extra (No. 4)	5 00
Spring release hitch as extra (No. 8)	5 95

RFDH Tractor Disc Harrows

Light draft, general purpose harrows for light to medium power tractors. Draw irons attached above bearings relieving bearing cap from strain. Renewable bearing bushings. Adjustable rocking bar levels rear gangs. Strong, flat bar steel frame. Discs angled by screw control. Rigid scrapers and rear weight pans furnished.

	No. Discs	Size Discs	Cut Ft.	Weight	
RFDH-5	20	16"	5	625 lb.	$80 00
RFDH-6	24	16"	6	698 lb.	85 30
RFDH-7	28	16"	7	759 lb.	91 55
RFDH-8	32	16"	8	865 lb.	108 15

Write for prices with 18" or 20" discs.

Oliver Farming Implements

Oliver No. 40N Wood Beam Chilled Plow

This well-balanced, accurately made chilled plow has been famous for its good plowing and fine workmanship for over 60 years. For sandy, gravelly, gritty or clay soils. Covers surface growth well and finely pulverizes furrow slice. Shares and moldboards polished exceptionally smooth, very hard and do not scratch or pit. Positive penetration and lightness of draft unequalled by any plow of similar size. Will last for years.

Comes with 16″ deep suck share and double flange landside.

No. 40N Right or Left Hand Plow...**$19 40**

For other Oliver Walking Plows, see page 91.

No. 9-XX Adjustable Tractor Plow

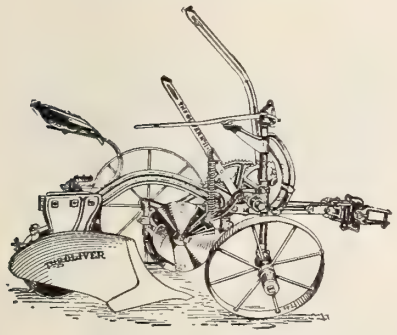
This can be set so that the bottoms will cut 11, 12, 13, or 14 inches. When the ground is hard and plowing is difficult, the bottoms can be set to cut narrow. The adjustment is made by expanding or closing the frame.

An easily operated Plow. A trip-rod for the power lift. The Oliver No. 9-XX has unusual clearance under the beams and between the bottoms.....**$95 00**

Spring Release instead of regular..... **2 50**

Spring Release as extra. No. 4..... **5 00**

Write for Special Circular



James Oliver No. 11 Sulky

Most popular plow of its kind ever built. True rolling landside. Well-balanced and light in draft. One piece frog and standard. Adjustable hitch. Guidihg lever for turning square corners. Furnished right or left hand with 3-horse steel evener, No. 90 chilled jointer and weed hook.

All chilled, 12″. Weight 431 lbs....**$64 65**

All chilled, 14″. Weight 446 lbs.... **65 55**

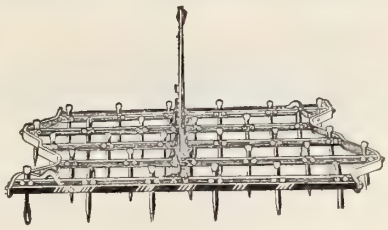
Tongue and neckyoke, extra..... **4 05**

Combination rolling coulter instead of jointer, add..... **3 75**

Plain rolling coulter instead of jointer, add..... **70**

Less weed hook, deduct..... **30**

3-horse evener not taken, deduct.... **4 70**



Oliver UBC Spike Harrows

Closed end general purpose horse harrow with evener bar. Sections have runner at each corner for transporting. Tractor hitch available.

25-tooth; 1 section. Weight 93 lbs....**$9 65**

30-tooth; 1-section. Weight 105 lbs...**11 00**

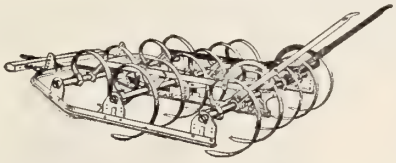
50-tooth; 2-section. Weight 195 lbs...**20 25**

60-tooth; 2-section. Weight 222 lbs...**23 00**

75-tooth; 3-section. Weight 306 lbs...**32 45**

90-tooth; 3-section. Weight 342 lbs...**36 55**

For tractor hitch in place of horse hitch, add..... **95**



Oliver Spring Tooth Harrows

Strong general purpose harrow. Frame bent up in front to ride over trash. Ample clearance beneath bars. Renewable steel runners on frame. Reversible levers. Set on rear of frame for horses or in front for tractor use.

No. 9-PBA, 9-tooth with handles and singletrees, 3 ft. cut. Weight 163 lbs.....**$16 75**

No. 15-PBA, 15-tooth, 2-section with drawbar, cuts 5 ft., 6 in. Weight, 240 lbs.....**$25 25**

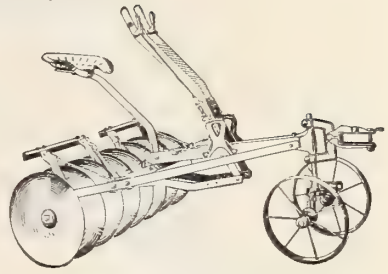
No. 17-PBA, 17-tooth, 2-section with drawbar, cuts 5 ft. 10 in. Weight, 253 lbs..... **26 95**

No. 23-PBA, 23-tooth, 3-section with drawbar, cuts 8 ft. 4 in..... **38 40**

No. 25-PBA, 25-tooth, 3-section with drawbar, cuts 8 ft. 8 in..... **40 05**

No. 31-PBA, 31-tooth, 4 section with drawbar, cuts 11 ft. 2 in..... **52 15**

No. 33-PBA, 33-tooth, 4 section with drawbar, cuts 11 ft. 6 in..... **53 80**



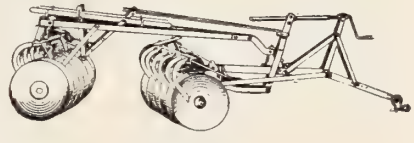
Oliver RHDH Disc Harrows

Penetrate practically all soils without additional weight. Drawbars attached above bearings for clearance and relief of pulling strain on bearing caps. Extra wide bearing surface. Renewable bushings. Heavy heat treated discs. Rugged frame. Priced with rigid pole, seat, rigid scrapers and evener.

	No. Discs	Cut ft.	Size Discs	Weight	
RHDH-4B	8	4	16″	331 lbs..	**$39 70**
RHDH-5B	10	5	16″	389 lbs..	**41 25**
RHDH-6B	12	6	16″	458 lbs..	**47 20**
RHDH-4B	8	4	18″	367 lbs..	**$42 70**
RHDH-5B	10	5	18″	407 lbs..	**45 00**
RHDH-6B	12	6	18″	526 lbs..	**51 70**

For forecarriage taken instead of rigid pole, add..... **7 80**

Write for prices of RHDH Double Disc Harrows.



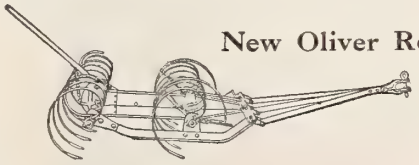
Oliver RTDH Harrows

Medium weight general purpose harrows. Evenly penetrates practically all soils. Drawbars attached above bearings for clearance and to relieve bearing cap from strain. Renewable bushings. Electrically heat treated discs. All gangs regulated simultaneously by ball bearing screw. Priced with rigid scrapers.

	No. Discs	Size Discs	Cut ft.	Weight	
RTDH-6B	24	16″	6	738 lbs.	**$100 00**
RTDH-7B	28	16″	7	793 lbs.	**110 00**
RTDH-8B	32	16″	8	1106 lbs.	**126 90**
RTDH-6B	24	18″	6	788 lbs.	**109 00**
RTDH-7B	28	18″	7	848 lbs.	**120 50**
RTDH-8B	32	18″	8	1170 lbs.	**138 90**

Write for prices with 20″ discs.

New Oliver Roll-Over Harrow



Cleans Its Own Teeth

The Roll-Over is the biggest improvement in spring tooth harrows since they were first invented. It ends the tedious and time consuming job of cleaning harrow teeth. You simply pull a rope, the teeth roll over and automatically clean themselves. Another jerk of the rope and the teeth go back into the ground. It is unnecessary to stop the horses or tractor. For transporting, the teeth are rolled over in the same manner and the frame rests on skid runners. Depth is controlled by an adjusting screw. Teeth also individually adjustable. Quack grass teeth regular. Same steel draft irons furnished with one-section and two-section harrow. Combination flat bar and angle steel frame.

Tractor Harrows

13-tooth, 1-sec., 6 ft. cut. Weight, 323 lbs.....**$48 75**

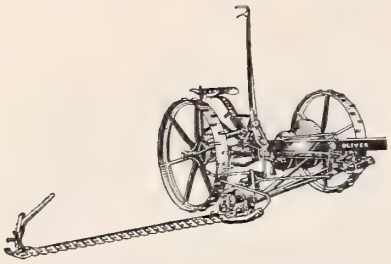
17-tooth, 1-sec., 8 ft. cut. Weight, 368 lbs..... **56 25**

26-tooth, 2-sec., 12 ft. cut with draft bar. Weight 654 lbs.....**106 25**

34-tooth, 2 sec., 16 ft. cut with draft bar. Weight 750 lbs.....**122 20**

Pipe Bar Alfalfa Spring Teeth, or special 10″ quack grass reversible spring teeth are available. Converting parts for 6 ft. to 12 ft. harrow can be furnished. Write for prices.

Oliver Farming Implements

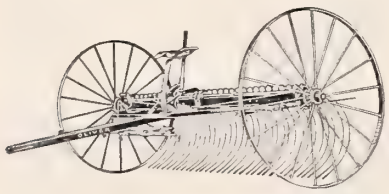


Oliver "Clip-Cut" Mower

The first really new mower in over 75 years and the finest mower on the market. Handles alfalfa, timothy, soy beans, lespedeza and other crops with equal satisfaction. The famous "Clip-Cut" cutter bar does more and better work. There are more knife sections and the guards are spaced 2½" apart. Each knife section takes a short bite, does less work, but all knife sections working together do more and better work. Less power is needed to drive the knife, draft is lighter and the drag on the cutter bar is reduced. The balanced 4-square frame holds the cutter bar to its work. The gears run in oil and are mounted back of the axle, giving better balance, and takes the weight off the horses' necks. These features make the "Clip-Cut" run 10% to 15% lighter than old-fashioned mowers. There are many other features that make the "Clip-Cut" do better work and last for years. 3¾" wide cast wheels and extra sickle furnished. Zerk fittings.

No. 114V. Vertical lift, 4½ ft. bar... **$98 75**
No. 114V. Vertical lift, 5 ft. bar..... **100 00**
For tractor hitch instead of 2-horse hitch..... **5 00**

Write for prices of mower with rubber tires.

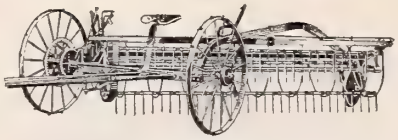


Oliver Dump Rake

Rake lifts the instant pressure is applied to dump pedal. Three different "down" positions and four "up" positions. Strong hot riveted angle steel frame. Bridge trussed. Heavy truss rod runs entire length of frame, to support center. Steel tooth holders. Heat treated spring steel teeth. Strong wheels. Furnished with shafts, singletrees and single coil runner point teeth.

8 ft.; 24-tooth, 420 lbs..... **$47 80**
9 ft.; 24-tooth, 435 lbs..... **50 00**
10 ft.; 26-tooth, 460 lbs..... **51 90**
Wheel guard tooth with rake..... **50**

SEE PAGE 42 FOR EVERY TYPE OF FERTILIZER.

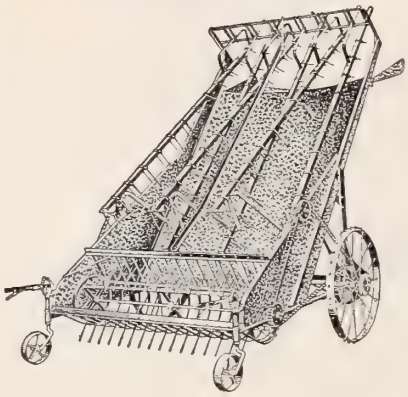


Oliver Side-Delivery Rake and Tedder

Combines in one machine the best means of raking and curing every kind of hay crop. The rolling action of the rake turns the heads of the hay into the center of an airy windrow to make higher quality hay. Strong frame. No wrapping on cylinder. Roller bearing cylinder and wheels. Machine can be turned from rake to tedder and back again by shifting a lever. Castor wheel, long pole, zerk fittings and grease gun furnished.

No. 1-B. 8 ft. 8". 51-tooth. Weight 973 lbs..... **123 75**

For Side Delivery Rake only, less tedder gear, deduct from combined machine price..... **3 15**



Oliver Closed-Deck Loader

Gently handles the hay from windrow or swath. to retain the full food value of the crop. The floor and sides of the loader bed are made of smooth, galvanized iron. There are no ridges, "washboard" surfaces, braces or other obstruction to shatter the leaves.

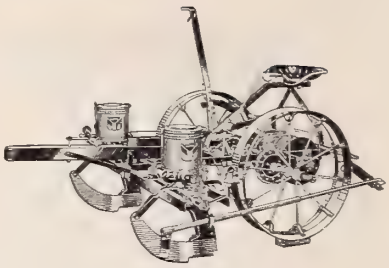
The loader bed is flat at the cylinder, gradually curves away and is decidedly concave at the top. The hay works toward the center of the bed, feeding on to the load in a fairly narrow width for easy handling.

The three-bearing crankshaft turns smoothly and has an even raking bar action.

The tines are located on top of the rake bars so there is less chance for clogging.

The carrying wheels run in roller bearings. The ground and tractor wheels are close together, keeping the cylinder operating at an even distance from the ground. This is a decided advantage in uneven fields. The trailer wheels are adjustable up and down by levers.

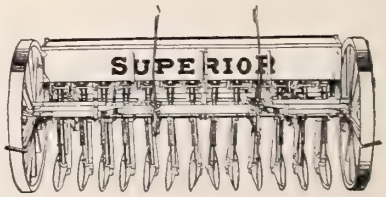
No. 2. 6' closed-Deck Loader. Weight, 1167 lbs..... **$148 45**



9-D Oliver Superior Variable Drop Planters

The 9-D handles hybrid as well as ordinary field corn. Variable Drop device is adjustable to plant 2, 3 or 4 kernels per hill. Adjustable for 30" to 48" rows. Available as Check-Row Planters, Drills or with Automatic Hill-Drop device to plant hills 28" to 76" apart. Furnished with 3 sets flat drop plates, for small medium or large kernels. Plates for practically all seeds available. Center reel. New type friction clutch. Pole arranged for toggle or ring neckyoke.

No. 9-D. Runner Planter with check wire, automatic drag marker, less trees and yoke..... **$84 70**
No. 9-D. Runner Planter, no check wire, with automatic drag marker, less trees and yoke..... **71 55**
No. 9-D. Drill Planter with automatic drag markers, less trees and yoke..... **68 75**
For Double Disc Openers, add..... **3 45**
For Fertilizer Attachment, add..... **18 75**
For Double Trees and Neck Yoke, add..... **3 65**



Oliver Superior Drills

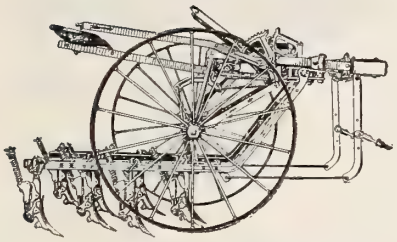
The best known drills on the market. Famous for accuracy. Zerk fittings. Roller bearing axles. Popular sizes listed.

No. 26 Fertilizer Plowfur Disc Drills or Spring Hoe, with drag chains. No seat, agitator or scrapers. With Grass Seeder.

8 x 8-in. disc; 2-horse hitch; 1 pole.. **$152 50**
10 x 8-in. disc; 2-horse hitch; 1 pole.. **174 40**
9 x 7-in. disc; 2-horse hitch; 1 pole.. **160 95**
10 x 7-in. disc; 2-horse hitch; 1 pole.. **170 95**
11 x 7-in. disc; 2-horse hitch; 2 poles. **180 30**
13 x 7-in. disc; 3-horse hitch; 2 poles. **208 45**
8 x 8-in. spring hoe; 2-horse hitch; 1 pole..... **148 15**
10 x 8-in. spring hoe; 2-horse hitch; 1 pole..... **168 15**
9 x 7-in. spring hoe; 2-horse hitch; 1 pole..... **155 30**
10 x 7-in. spring hoe; 2-horse hitch; 1 pole..... **164 70**

Larger sizes available with Tractor Hitch.

Genuine Oliver Plows and Implements



Oliver No. 35 Cultivator

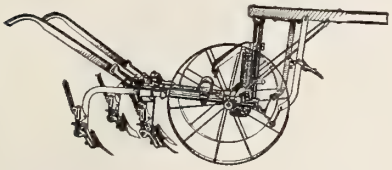
Better design, easier to use, long lasting. Adjustable for 36", 38", 40" or 42" rows. Quick-acting and long wearing double pivot shaft. Cultivator completely adjustable.

No. 35. 6-shovel, pin break, open sleeve, round shank..... **$60 65**

No. 35. 6-shovel, spring trip, open sleeve, round shank..... **66 25**

No. 35. 8-shovel, pin break, open sleeve, round shank..... **62 50**

No. 35. 8-shovel, spring trip, open sleeve, round shank..... **70 00**



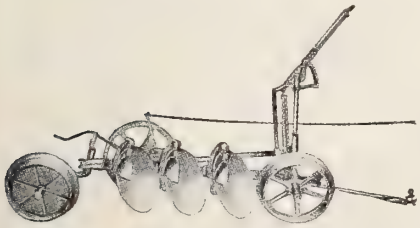
Oliver No. 2 Cultivator

For large or small acreage. The easiest handled, high quality walking cultivator. No complicated adjustments. Light draft; no neck weight.

No. 2 Imp. 6-shovel; spring trip gangs; pipe beam..... **$49 40**

No. 2 Imp. 4-shovel; spring trip gangs; pipe beam..... **45 30**

No. 2 Imp. 6-shovel, pin break gangs; pipe beam..... **43 75**



Oliver D-723XX Disc Plow

Medium weight, high quality plow for hard, gravel, hard pan or gumbo soils or new ground. Quick-acting power lift. Heat treated steel frame and discs. Scrapers and six pair wheel weights furnished.

	No. Discs	Size Discs	Weight	
D-723XX	2	24 in.	1385	**$132 50**
D-723XX	3	24 in.	1518	**153 75**

Genuine Oliver Chilled Plows

When Ordering Plows and Repairs, State Right or Left Hand, Wood or Steel Beams

Plow Base	S. B. Plow, Plain	W. B. Plow, Plain	Plain Share	Slip Share	Lands	Moulds	Solid Steel Shares	S. B. Standard	W. B. Standard	Wood Beams
Goober	$ 6.70		$0.15		$0.40	$1.20		$2.00		
No. 6	6.30		.15		.40	1.20		1.40		
A-2			.20		.50	1.40		2.40	$2.70	$4.20
A-C-2	8.75		.25	$0.37	.50	1.40		2.10	2.70	4.20
B			.30	.45	.65	1.70		2.25	2.95	4.20
B-C-N	11.75	$11.50	.35	.50	.65	1.70		2.25	2.95	4.20
10-N	13 15	13.15	.40	.55	.70	1.95		2.70	3.05	4.20
13-N	14.55	14.55	.50	.65	.90	2.65	$3.00	2.90	3.35	4.20
19-N	15.50	15.50	.55	.68	1.05	3.25	3.30	3.00	3.65	4.60
20-N	16.90	16.90	.60	.72	1.10	3.40	3.80	3.25	3.90	4.60
E-I-N		21.25	.70	.95	1.15	3.80			4.35	4.60
40-N	19.40	19.40	.70	.82	1.15	3.80	4.25	3.50	4.45	4.60
40-XX		22.20	.85		1 15	4.25			7.15	7.00
82-N	19.00		.75	.90	1.60	4.00		5.25		
83-N	20.40		.85		1.60	4.45		5.30		
84-12 in.	22.30		.85	1.00	1.60	4.90	4.50	5.30		
84-14 in.			.95		1.60	4.90		6.05		
91			.85	1.00	1.60	4.90		6.40		
98		21.65	.60		1.60	5.25				
99			.60		1.60	5.50				
3-X			1.10		1.75	6.40				
512 Hillside	22.40		.80		1.20	4.15				
513 Hillside	22.80		.85		1.20	4.50				
524 Hillside	21.00		.85		1.20	4.50				
F-905-A Short					.55					
F-926-A Long					1.20					
221-12 in.			1.10			4.95	2.75			
NC-23-12 in. Q. D			1.45				2.40			
NC-23-14 in. Q. D			1.65				2.65			
NC-23-16 in. Q. D			2.00				2.80			
NC-3-18 in.			2.10				3.95			

Clevises

Wood Beam:

A, for A-B-10 Plow..... **$0 25**
B, for 13-19-20 Plow..... **60**
D, for 40 Plow..... **1 20**
CY872 Cross Clevis..... **30**

Steel Beam:

No. 135, for A-C, B-C Plow..... **1 15**
No. 137, for 10-13-19-20 Plow..... **1 25**
WP38 Cross Clevis..... **45**
WP39 Cross Clevis..... **60**

WOOD HANDLES. (Single)..... **95**
Handle Rounds, each..... **12**
Sets, all numbers up to 10. S.B..... **1 90**
Sets, all numbers up to 10. W.B..... **2 05**
Sets, all numbers, 13 and above. S.B. **2 45**
Sets, all numbers, 13. W.B..... **2 25**
Sets, all numbers, 19 and above. W.B.. **2 85**

(State if old or new style handles.)
Wood or Steel Beam

Oliver Coulters

11-in. Coulter..... **4 05**
13-in. Coulter..... **4 40**

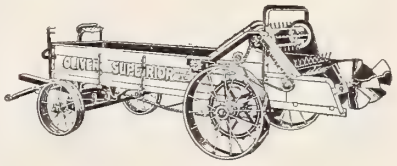
("Moon" Coulters, see page 94)

Wheels and Parts

Complete, A to 13 Steel Beam. No. 18.. **$1 55**
Complete, 19 to 84 Steel Beam. No. 72.. **1 90**
Complete, A to 13 Wood Beam. No. 11.. **1 40**
Complete, 19 to 40 Wood Beam. No. 20 **2 10**
Standards, one-horse, straight..... **1 10**
Standards, two-horse, arch, S.B..... **1 65**
Standards, two-horse, W.B..... **1 75**
Wheels only, one-horse..... **60**
Wheels only, two-horse..... **95**
Wheel hub..... **40**
Wheel-hub bolt..... **05**

Jointer and Parts

Steel Beams, 10 and 13. No. 61..... **3 15**
Steel Beams, 19 to 40. No. 181..... **4 05**
Wood Beams, 10 and 13. No. 60..... **2 80**
Wood Beams, 19 to 40. No. 63..... **3 45**
Jointer Points, except JY740, 30 cts.... **25**
Jointer Moulds, Except F223 is 50 cts.. **45**



Oliver 75-A Spreader

Has widest spreading range of any spreader—4 to 28 loads per acre. Hammermill wide spread does superior job of pulverizing and distributing manure. Short wheel base. Spreader turns in 14½ ft. circle. Automotive type steering and short hitch for sharp turns. Height of box low for easy loading. Full load is 75 to 80 bushels. Spring hung wheels absorb shocks and hold box level. Rear wheels mounted in waste-packed railroad type journal box bearing carbon steel frame. Lime sowing attachment available.

No. 75-A. Spreader with 2-horse hitch or tractor hitch and widespread attachment..... **$175 65**
Add for Brake Attachment..... **8 75**
Add for 3-horse hitch instead of 2-horse hitch..... **4 40**

Chilled and Cast Plows and Parts

Genuine Syracuse Plows and Repairs

		Plain Plow	With Wheel	With Wheel and Jointer	Plain Share	Heavy Share	Coulter and Slip Share	Land-side	Moulds
No. 1-78 Regular	R. H.	$20.00	$21.60	$25.20	$ .70		$ .82	$0.95	$4.50
No. 1-78 Contractor	R. H.		31.75			$0.82		1.55	5.50
No. 2-78	R. H.	18.50	20.10	23.70	.60	.72	.72	.82	3.75
No. 10-78	R. H.	22.75	24.35	27.95	.70		.82	1.05	5.00
No. 16 Hillside		19.00	20.00		.82				3.75
No. 20-78	L. H.	20.00	21.60	25.20	.65	.77	.77	.82	4.15
No. 30-78	L. H.	23.25	24.85	28.45	.70	.82	.82	1.00	4.55
No. 35	L. H.				1.00		1.12	2.05	6.15
No. 50	R. H.				.40			.65	2.00
No. 51	R. H.				.50		.62	.70	2.30
No. 52	R. H.				.50		.62	.75	2.65
No. 53	R. H.				.56		.68	.85	2.90
No. 95	L. H.				.61		.73	1.00	3.40
No. 96	L. H.				.66		.78	1.09	3.70
No. 97	L. H.				.68		.80	1.14	3.90
No. 501	L. H.	20.75	22.25	26.65	.64	.76	.76	1.09	3.85
No. 502	L. H.	18.50	20.00	24.40	.55	.67	.67	1.00	3.85
No. 601	R. H.	20.75	22.25	26.65	.64	.76	.76	1.09	3.85
No. 602	R. H.	18.50	20.00	24.40	.55		.67	1.00	3.85
No. 603	R. H.	17.00	18.50	22.90	.50		.62	1.05	3.10
No. 1361	L. H.	20.75	22.15	26.10	.64		.76	1.09	3.60
No. 1362	L. H.	18.50	19.90	23.85	.55		.67	1.00	3.60
No. 1363	L. H.	18.00	19.40	23.35	.50		.62	.96	3.10
No. X1341 Q. D	L. H.				.77		.89		5.00
No. X1342 Q. D	L. H.				.64		.76		4.60
No. X1441 Q. D	R. H.				.77		.89		5.00
No. X1442 Q. D	R. H.				.64		.76		4.60

Shares interchangeable (361, 501, 1361 series) (461, 601, 1461 series).
Landsides interchangeable (361, 1361 series)

Jointer Points (CE5) (CE6) $0.20
Jointer Moulds (CT7) (CT8) ..... .75
Slip Noses ..... .12

Wheels only. CU6 ..... $0.65
Wheel Axle. DE4 ..... .30
Wheel only, complete with Axle, Sand Cap, etc. 1.25

Wiard Steel Beam Plows and Repairs

	Plain Plow	Plain Shares	Slip Nose Shares	Moulds	Lands	Shoes for Lands	Shins or Cutters
No. 16		$0.65	$0.75	$4.00	$1.10		
No. 25		.70	.85	5.00	1.40		$0.75
No. 27		.75	.90	5.00	1.40		.75
No. 43		.75	.90	4.50	1.25	$0.70	.75
No. 44		.75	.90	5.00	1.25*	.70	.75
No. 45		.80	.95	5.25	1.25*	.70	.75
No. 65		1.15		6.00	2.00		
No. 80	$21.00	.75	.90	5.00	1.00	.70	.75
No. 90		.75	.90	5.00	1.00	.70	.75
No. 104	22.00	.75	.90	5.00	1.25*	.70	.75
No. 106	25.20	.80	.95	5.25	1.25*	.70	.75
No. 115X		.85		4.50		1.25	
No. 126		.95		4.50		1.25	
No. 219		.70	1.00	3.75	1.20		
No. 240	21.00	.80	1.00	4.50	1.25		
No. 522		.65	.80	4.00	1.25		.75
No. 524	19.00	.70	.85	4.50	1.25		.75
No. 526	21.00	.75	.90	5.00	1.25		.80
No. 546	21.00	.75	.90	5.00	1.25		.80
No. 548	24.00	.80	.95	5.25	1.25		.80

*Solid or One-piece Lands for Nos. 44, 45, 104, and 106, **$1.50.** Wheels, complete, **$1.50.** Steel Beam Jointers, **$4.00.** Slips, **15 cts.** Jointer Points, **25 cts.**

Massey-Harris Repairs for Plows

(Formerly Case)

PLOW	Cast-share Brand	Price	Steel-share Brand	Prices Solid	Prices Hard
480½ GEX	GM 0	$1.50	10 G	$2.90	$4.75
482½ GEX	GM 2	1.75	12 G	3.50	5.25
484 ½GEX	GM 4	2.00	14 G	3.75	5.75
510½ GPX	GP 0	1.50	GP 10	2.90	4.75
512½ GPX	GP 2	1.75	GP 12	3.50	5.25
514½ GPX	GP 4	2.00	GP 14	3.75	5.75
SG 12	SG 2	1.75	SG 12	3.50	5.25
SG 14	SG 4	2.00	SG 14	3.75	5.75
SG 16	SG 6	2.20	SG 16	4.50	7.25

ALL PRICES IN CATALOG SUBJECT TO CHANGE WITHOUT NOTICE

Farmers' Friend Plow

No. ½ $5 75
No. 5 ..... 5 75
Plain Castings, per lb 06
Polished Castings, per lb 08
"Boy" Dixie Plow $4 25
Plain Castings, per lb 06

White's Clipper Plow

No. 2. Cast; 1-horse $6 25
No. 12. Cast; 2-horse 9 50
Polished Castings, per lb 09

Champion Plow

No. "Girl" $6 00
No. A 6 80
Castings, Polished; per lb 09

Repairs to fit Vulcan Plow

No.	Plain Shares	Lands	Moulds
12	$0.65	$1.10	$3.40
13	.67	1.15	3.60
14	.72	1.15	3.80

Jointer Points ..... $0.30 Shins $0.30

Lynchburg Plows and Repairs

No.	Plows	Shares	Slip Shares	Lands	Moulds
2	$6.75	$0.15		$0.40	$1.20
6X	9.50	.25	$0.37	.50	1.40
27X	15.75	.50	.65	.90	2.65
42		.60	.72	1.10	3.40
52		.68	.82	1.15	3.85
37X		.55	.68	1.05	3.25

Repairs to fit Chattanooga Plows

	Shares	Moulds	Lands
No. 44	$0.50	$2.65	$0.90
No. 62	.15	1.20	.42
No. 63	.40	1.95	.70
No. 64 R. & L.	.50	2.65	.90
No. 65 R. & L.	.60	3.05	1.05
No. 66 R. & L.	.65		1.05
No. 70	.15	1.20	1.42
No. 71	.25	1.20	1.42
No. 72	.25	1.35	1.42

Repairs to fit International Plows

	Shares		Lands
6002 R. H.	$0 80	6021 R. H.	$1 40
6007 R. H.	85	6022 L. H.	1 40
6027 L. H.	80	6001 M. R. H.	95
6028 L. H.	85	6001 R. H.	45
6002 D. D. S.	90		
6007 D. D. S.	95		

	Moulds		Moulds
CP6008 R. H.	$4 25	CP6103 L. H.	4 25
CP6009 R. H.	4 50	CP6104 L. H.	4 50

Jointer Points 25
Shins 55

South Bend Repairs, see page 91

Plow Handles (Dressed)

	Per Pair
1⅛ x 2 in.; 5 ft. long	$0 50
1¼ x 2¼ in.; 5 ft. long	55
1¼ x 2¼ in.; 6 ft. long	70
1½ x 2⅜ in.; 5 ft. long	75
1½ x 2⅜ in.; 6 ft. long	90
1⅛ x 2 in.; Side Bend	55

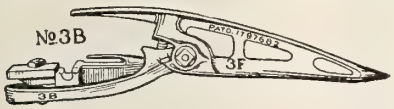
Repairs to Fit South Bend Plows

	Shares	Lands	Moulds	Shins
No. 1	$0.20	$0.50	$1.40	
No. B1	.30	.65	1.70	
No. B1X	.35	.65	1.70	
No. 2	.35	.70	1.95	$0.27
No. 2F	.35	.70	2.15	.27
No. 2X	.40	.70	1.95	
No. 2½	.45	.90	2.65	.27
No. 2½X	.50	.90	2.65	
No. 2½F	.45	.90	2.85	.27
No. 3	.50	1.05	3.40	.32
No. 3X	.55	1.05	3.40	
No. 3F	.50	1.05	3.45	
No. 4	.55	1.10	3.40	.35
No. 4X	.60	1.10	3.40	
No. 10X	.67	1.15	3.60	
No. 15	.65	1.15	3.80	.35
No. 15X	.70	1.15	3.80	
No. 63X	.15	.40	1.20	
No. 151	.95	1.60	5.50	

Jointer Points, **30c.** Jointer Moulds, **40c.** Bolts, **5c.**

Gaterman Pea Guards

The new Pea Guards are of the latest improved type, and embody the self-cleaning joint.



No. 3B. Recommended for medium and long crops, also for use on rough, stony, sandy, and very loose soil. The 3B Arm is attached under the mower guard and protects the cutter-bar.....**$1.10**

No. 3C. Recommended for even soil and short crops, as it allows the sickle to cut closer to the ground.....**$1.10**

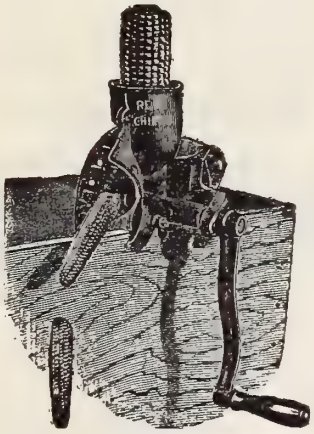
Gaterman Green Pea Harvester

No. 6 Green Pea Harvester is made in sizes 4½-, 5-, 6-, and 7-foot. It works successfully in green peas, delivering the crop in the center, which allows the horses and wheels to run on each side of the windrow. Price without Guards, 4½ and 5 ft., **$10.50**; 6 ft., **$11.00**; 7 ft., **$13.50.**

Shellers—Tanks—Troughs

Red Chief Corn Sheller

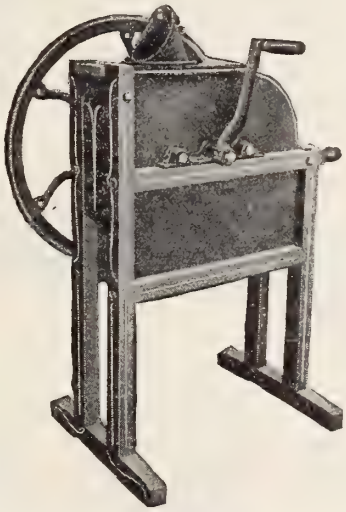
Fastens to box or table.....**$2.25 each**



The Baltimore Sheller

No. 20. Double Spout Sheller. This Sheller is built very strong from the best materials, and has a combination fly-wheel and pulley. Hand and power, with shaker belt and flywheel. Capacity, 200 bushels per day. Capacity by power, 500 to 600 bushels. Weight, 300 lbs. With shaker. **$33.75 each**

Buch's Sheller



No. 3. One Hole Sheller. Separates corn and cob. Corn discharged beneath Sheller, cobs at end. Easily adjusted for large or small ears. Capacity, 125 bushels a day. Weight, 130 lbs.....**$15.00 each**

Maryland Lever Cutter

Strong, cheap, and durable. **$7.50 each**

Other Feed Cutters, see page 75.

Round-End Galvanized Tanks

No.	Width ft.	Height ft.	Length ft.	Capacity gals.	
RE 224	2	2	4	91	$ 8 25
RE 225	2	2	5	117	10 00
RE 226	2	2	6	144	11 50
RE2525	2½	2	5	145	11 00
RE2526	2½	2	6	178	13 00
RE2528	2½	2	8	245	16 75

Heavy Cast-Iron Hog Troughs

No danger of bursting in winter. Twelve inches wide at the top, 2 inches at bottom, and 7 inches deep. Made from 2 to 8 ft. long **65 cts. per ft.**

Galvanized Steel Stock Troughs

These Troughs will not rust or corrode, and will not damage by freezing.

Length	Width	Capacity	
3 ft.	16 in.	18 gals	$8 25
4 ft.	16 in.	24 gals	9 20
6 ft.	16 in.	36 gals	11 00
8 ft.	16 in.	48 gals	13 00
10 ft.	16 in.	60 gals	15 50
12 ft.	16 in.	72 gals	18 50
4 ft.	20 in.	40 gals	11 50
6 ft.	20 in.	60 gals	14 00
8 ft.	20 in.	80 gals	16 20
10 ft.	20 in.	100 gals	19 50
12 ft.	20 in.	120 gals	23 00

Keystone Food Chopper

No. 10. Will chop 1½ pounds meat per minute. Weight, 3⅝ lbs	$1 40
No. 20. Will chop 2 pounds meat per minute. Weight, 4½ lbs	1 50
No. 30. Will chop 3 pounds meat per minute. Weight, 6¼ lbs	2 00
No. 40	2 50
No. 45	2 50
Stuffing attachment for No. 20 or 30 Chopper	1 00

Crystal Metal Farm Bells

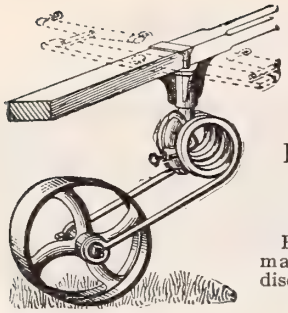
Bronzed

Prices, including hangings, complete:

	Weight complete	Diameter of bell	Price
No. 1.	40 lbs.	15 in.	$6 00
No. 2.	50 lbs.	17 in.	7 00
No. 3.	75 lbs.	19 in.	11 00
No. 4.	100 lbs.	21 in.	14 00

No. 4 Bell has a stand instead of yoke.

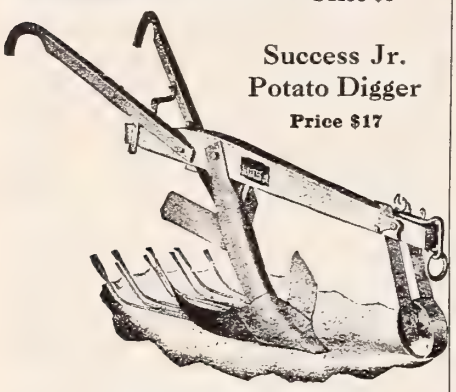
Harrows - Rollers - Scrapers



Keystone Tongue Support

For harvesting machinery and disc harrows.

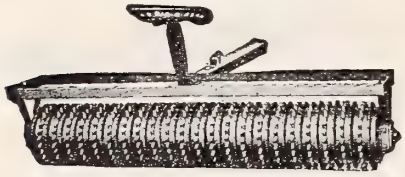
Price $5



Success Jr. Potato Digger

Price $17

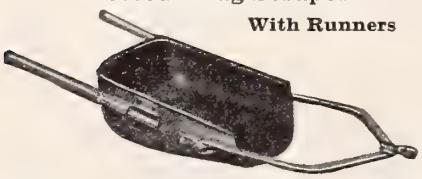
Sprocket Pulverizer



Single Sections. 8-ft.; rolling capacity 7 ft.; weight, 825 lbs., less Trees and Yoke. **$65**

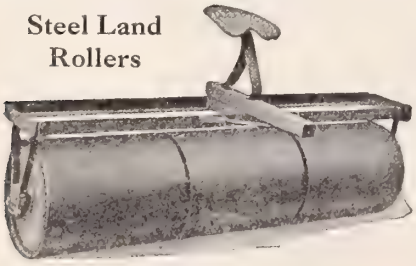
American Round Back Solid Pressed Drag Scraper

With Runners



No. 1	7 cu. ft.	97 lbs.	**$9 80**
No. 2	5 cu. ft.	86 lbs.	**9 40**
No. 3	3 cu. ft.	76 lbs.	**9 00**

Steel Land Rollers

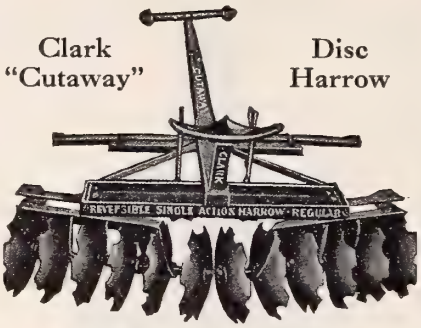


	Lgth. Sec.	Lgth. ft.	Diam. in.	Wt. lbs.	
No. 105½	2	8	24	550	**$40 00**
No. 106½	3	8	24	585	**42 50**

Price does not include Doubletrees and Neck Yoke.

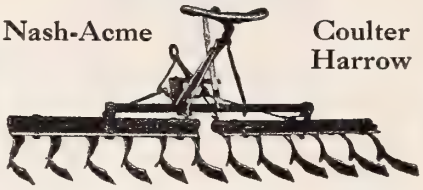
Doubletrees and Neck Yoke, extra, **$2.75.**

Clark "Cutaway" Disc Harrow



Write for Prices

Nash-Acme Coulter Harrow



Flexible construction permits the Harrow section to conform more closely to the shape of the surface of the soil.

No. 12F. 12 coulters; 6½-ft. cut; 2-horse 2-section..... **$30 00**

No. 16F. 16 coulters; 8½-ft. cut; 2-horse 2-section..... **$37.00**

No. 8. 8 coulters; 4-ft. 4-in. cut; 1-horse 1-section..... **23 25**

Coulters for all.....

$1.00 each

Wood-Frame Harrow, Steel-Lined

16-tooth	**$18 75**	22-tooth	**$24 00**
18-tooth	**20 00**	24-tooth	**26 00**
20-tooth	**21 00**	Extra teeth	**45**

"Moon" Rolling Coulter

The shoe presses down all weeds and trash and holds same firmly while being cut by the Coulter.

No. 1.	8-in.	**$4 75**
No. 2.	10-in. disc	**5 25**
No. 3.	12-in. disc	**6 30**

Plow Bolts

Length	Nos. 1, 2, 3, and 7 Price per 100			4, 5, 6, and 8 Price per 100		
	⅜	7/16	½	⅜	7/16	½
1¼-in.	$2.75	$3.75	$5.25	$3.35	$4.50	$6.20
1½-in.	2.90	4.00	5.50	3.50	4.75	6.45
1¾-in.	3.05	4.25	5.75	3.65	5.00	6.70
2 -in.	3.20	4.50	6.00	3.80	5.25	6.95
2¼-in.	3.35	4.75	6.30	3.95	5.50	7.25
2½-in.	3.50	5.00	6.60	4.10	5.75	7.55
2¾-in.	3.75	5.30	6.90	4.35	6.05	7.85
3 -in.	4.00	5.65	7.25	4.60	6.40	8.20
3½-in.	4.90	6.45	7.65	5.50	7.20	8.60
Add for L. H. Thread	.40	.55	.75	.40	.55	.75

All Plow Bolts 50 to package.

Carriage Bolts

(Rolled Threads)

Length	PRICE PER 100				
	¼	5/16	⅜	7/16	½
1¼-in.	$1.00	$1.50	$1.95	$ 3.25	$ 4.00
1½-in.	1.05	1.55	2.05	3.40	4.15
2 -in.	1.20	1.75	2.30	3.65	4.45
2½-in.	1.35	2.00	2.55	3.95	4.80
3 -in.	1.50	2.20	2.80	4.25	5.15
3½-in.	1.65	2.40	3.10	4.55	5.50
4 -in.	2.00	2.60	3.35	4.85	5.85
4½-in.	2.15	2.95	3.60	5.15	6.20
5 -in.	2.30	3.15	3.95	5.45	6.55
5½-in.	2.45	3.35	4.20	5.80	6.95
6 -in.	2.60	3.55	4.45	6.15	7.35
6½-in.	3.65	4.90	6.30	8.25	9.75
7 -in.	3.85	5.15	6.65	8.70	10.20
7½-in.	4.00	5.35	6.95	9.15	10.65
8 -in.	4.20	5.60	7.30	9.60	11.10
8½-in.	4.35	5.80	7.60	10.05	12.05
9 -in.	4.55	6.05	7.95	10.50	12.50
9½-in.	4.70	6.25	8.25	10.95	12.95
10 -in.	4.90	6.50	8.60	11.40	13.40
11 -in.	5.25	6.95	9.30	12.25	14.30

All ¼-in Bolts 100 to package; others 50 to package.

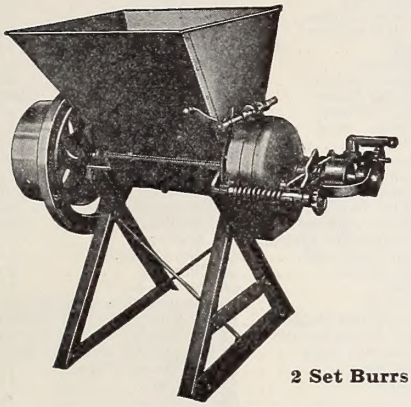
Machine Bolts

(Rolled Threads)

Length	PRICE PER 100				
	¼	5/16	⅜	7/16	½
1¼-in.	$1 10	$1 60	$2 15	$3 70	$4 30
1½-in.	1 15	1 70	2 30	3 85	4 50
2 -in.	1 30	1 95	2 55	4 10	4 85
2½-in.	1 50	2 15	2 80	4 40	5 15
3 -in.	1 65	2 35	3 10	4 65	5 50
3½-in.	1 80	2 55	3 35	4 95	5 85
4 -in.	2 15	2 75	3 60	5 25	6 20
4½-in.	2 30	3 10	3 85	5 55	6 55
5 -in.	2 45	3 30	4 20	5 85	6 90
5½-in.	2 60	3 50	4 45	6 15	7 25
6 -in.	2 75	3 70	4 70	6 45	7 60
6½-in.	3 80	5 10	6 50	9 20	10 15
7 -in.	4 00	5 35	6 85	9 65	10 60
7½-in.	4 15	5 55	7 15	10 10	11 05
8 -in.	4 35	5 80	7.50	10.55	11 50
8½-in.	4 50	6 00	7 80	11.00	11 95
9 -in.	4 70	6.25	8 15	11.45	12 40
9½-in.	4 85	6 45	8 45	11 95	12 85
10 -in.	5 05	6 70	8 80	12 35	13.30
11 -in.	5.40	7.15	9.50	13.20	14.70

All ¼-in. Bolts 100 to package; others 50 to package.

Miscellaneous Implements and Planters



2 Set Burrs

Stover Special Feed Grinding Mills

For grinding dry-ear corn, shelled corn, and all of the small grains.

Capacity, from 3 to 6 bushels per hour per horse power, depending upon the grinding condition of the grain and the fineness of the feed.

		Pulley	Weight	
No. 106	6-in.	12 x 4 in.	200 lbs.	**$26 00**
No. 108	8-in.	12 x 6 in.	275 lbs.	**35 50**
No. 42	8-in.	10 x 6 in.	400 lbs.	**50 00**

New York Pattern Store Trucks

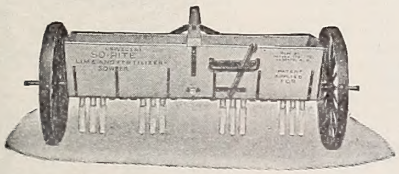
Half Strapped.

No. 1.	48-in. handle	**$8 40**
No. 2.	51-in. handle	**10 25**
No. 3.	54-in. handle	**12 00**
No. 4.	60-in. handle	**15 00**

Full Strapped.

No. A1.	48-in. handle	**9 30**
No. A2.	51-in. handle	**11 40**
No. A3.	54-in. handle	**13 20**
No. A4.	60-in. handle	**15 60**

BALTIMORE STORE TRUCK. $5.



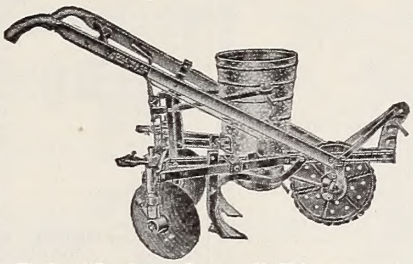
So-Rite Fertilizer Sower

Wheels can be extended 8 inches on each side. No tools necessary to remove spouts. Lever to open and close outlets.

8-ft. size; 2-horse; 12 spouts.....**$66 40**
6-ft. size; 1-horse; 9 spouts..... **54 80**

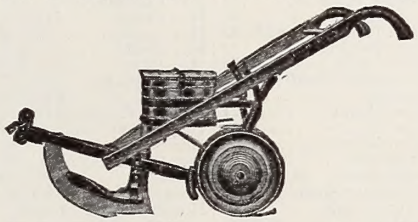
The best Sower made for trucker's use. Other sizes on application.

For best results, use Griffith & Turner Co.'s Garden Fertilizer.
See page 42



Cole "Labor-Saver" Plow and Fertilizer Distributor No. 60

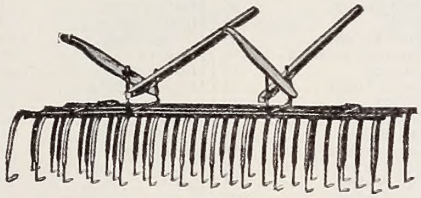
Remember this: The Cole puts out the fertilizer, mixes it with the soil, and makes a bed ready for the planter in one trip **$24.00 each**
Ridge Board with Spring.....**$1.75 each**
No. 61 less Shovel.....**$22.50**



Cole Plain-View Planter No. 11

The Cole Plain-View Planter is the most wonderful invention in Seed Planters. Most accurate and reliable Corn Planter ever made.

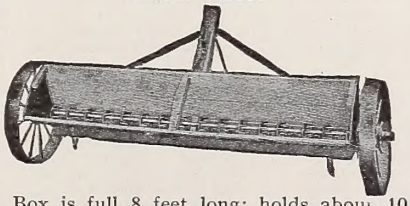
No. 11. Plain Planter	**$23 00**
No. 12. Fertilizer Planter	**27 50**
Spring Cover	**1 75**
Attachment to put fertilizer on side	**3 00**



Gritco Flat-Tooth Weeders

7½-ft	**$13 00**
9-ft	**15 00**
Extra Teeth	**30**
12-ft. Riding Weeder, subject to stock	**36 00**

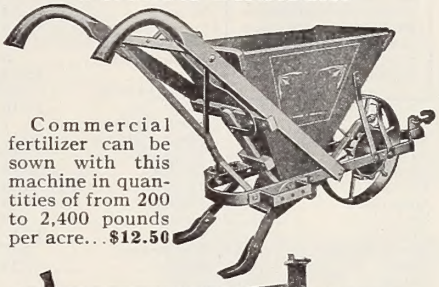
Nonpareil Broadcast Lime Distributor



Box is full 8 feet long; holds about 10 bushels; will sow from 100 to 5,000 lbs. per acre, depending on condition and kind of fertilizer.

Stock size, 8-ft. Box with pole, 10 bus	**$60 00**
5-ft. Special Orchard Sower, 10 bus., with screen	**65 00**
8-ft. Special Sower, 15 bus., with screen	**65 00**

Farmers' Favorite One-Horse Fertilizer Distributor

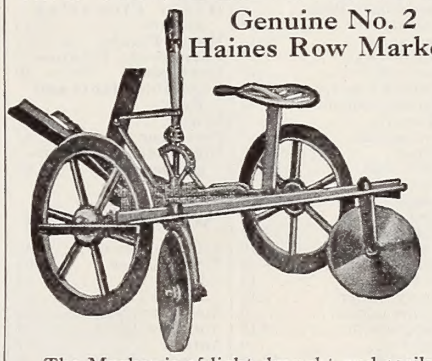


Commercial fertilizer can be sown with this machine in quantities of from 200 to 2,400 pounds per acre...**$12.50**

Virginia Row Marker

Very useful for farmers and gardeners for marking corn and potato rows. Fitted with extra side plates on runner.
No. 3. 3-Row, will mark 3 to 5 feet.**$19.00**

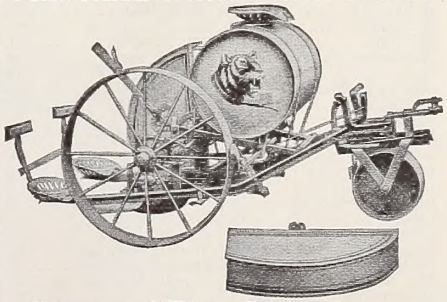
Genuine No. 2 Haines Row Marker



The Marker is of light draught and easily controlled by a light boy as it is not necessary for operator to dismount at ends of furrows to lift one pound.

The Marker is a perfect covering or listing machine, covering one or more rows as may be required and is under perfect control of operator by use of lever that may be adjusted while the machine is in motion.

2-Row Marker.....**$40 00**
3-Row Marker..... **45 00**



Improved Tiger Transplanter

Adaptable to all conditions of planting and spacing; adjustable to all conditions of soil and ground—on hillside or level; will space plants from 14 to 64 inches apart, and operates as readily with either horse or tractor power.

Driver and two planters can set 5 acres a day without undue strain or hurry..**$106 25**
Double-Wheel Fore Truck for planting Sweet Potatoes.....**$12 50**
Fertilizer Attachment..... **20 00**

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Willomere

GRIFFITH & TURNER Co.'s

Special Rose Offer No. 2

HYBRID TEA ROSES

Grown Especially for Griffith & Turner Co.

5 EVERBLOOMING ROSES $2

Dormant Stock

Golden Pernet

Mevr. G. A. Van Rossem

For roses sent by parcel post, dd 15% of your remittance to over postage and special han-ling. Large quantities will be ent by express collect.

One Each of the Following Varieties:

- Ami Quinard
- Golden Pernet
- McGredy's Ivory
- Mevr. G. A. Van Rossem
- Willowmere

Ami Quinard

The large quantity of these roses which we have grown enables us to make this special offer. These roses are strong, budded, 2-year-old, field-grown plants, wrapped with damp moss and burlap. Of the same high quality stock as the roses offered in our general list. Dormant stock of roses can be supplied from March 15 to May 1.

McGredy's Ivory

See Page 25 for No. 1 Rose Offer

Griffith & Turner Co.'s

SPECIAL OFFER OF

BEGONIAS

Double Camellia Flowered

10 BULBS FOR $1.95

2 Each of Following Colors:

Orange Pink Red
Salmon Yellow

SELECTED BULBS

25c each 10 BULBS FOR $2.25

Cultural Directions are included in our general list of Summer Flowering Bulbs. See index.

✦

For Parcel Post charges on Begonias, add 10% of your remittance to cover postage.

Griffith & Turner Co.'s

HYBRID

Yellow Dent

SEED CORNS

From 50% to 75% of the seed corn used in the corn belt for 1939 will be Hybrid Corn and more would be used if there were sufficient seed to supply the demand. Our Hybrid Corns are grown especially to make them adaptable to Maryland and all of its bordering states.

We also have Hybrid White Dent. For Prices and Complete Description, see Page 40.

★ 15% to 30% Higher Yield!

★ Deeper Roots!

★ Storm Resistant!

★ Drought and Wind Resistant!

★ Increased Stalk Strength!

☆ Greater Uniformity!

The term Hybrid does not refer to a cross of different varieties of corn, but rather to a cross between distinct strains known as inbred lines (or combinations of such lines). These inbred lines, or hybrids between them, tend to perform the same way under like conditions, making it possible to predict their performance year after year.

GRIFFITH & TURNER CO.

Seedsmen of Integrity Since 1860

205-215 NORTH PACA ST. ▼ BALTIMORE, MARYLAND

Telephone Calvert 2300